1 Appendix - Tensile testing tables

These tables contain tensile testing data from research papers published over the past 30 years (see bibliography at the end of this PDF). The tensile data are categorized by binding media (oils, alkyds, acrylics, and filler/gesso materials).

Table 1: Summary of tensile test data for oil paint samples, including composition, aging time of the sample, testing conditions (temperature, RH, strain rate), mechanical property (Youngs modulus (E), equilibrium modulus (E_{eq}), secant modulus (E_s), tensile strength (σ_T), or yield stress (σ_Y), reference, *etc.* $^{\alpha}$Indicates a value estimated from a plot in the paper, rather than a tabulated value. $^{\beta}$Converted from stiffness values using an estimated sample thickness of 2 mm.

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Naples Yellow, Linseed Oil	13 years	E = 689	23°C, 50% RH, 0.0005 s^{-1}	[1]
Naples Yellow, Linseed Oil	13 years	E = 1172	23°C, 50% RH, 0.0005 s^{-1}, strain hardened	[1]
Naples Yellow, Linseed Oil	3.75 years	E = 304.7	23°C, 47% RH, 0.0005 s^{-1}	[1]
Naples Yellow, Linseed Oil	13 years	E = 1310	23°C, 5% RH, 0.0005 s^{-1}	[1]
Naples Yellow, Linseed Oil	13 years	E = 1440	23°C, 5% RH, 0.0005 s^{-1}, strain hardened	[1]
Naples Yellow, Linseed Oil	13 years	E = 110	23°C, 91% RH, 0.0005 s^{-1}	[1]
Naples Yellow, Linseed Oil	13 years	E = 4019	−3°C, 5% RH, 0.0005 s^{-1}	[1]
Naples Yellow, Linseed Oil	13 years	E = 2627	−3°C, 42% RH, 0.0005 s^{-1}	[1]
Naples Yellow, Linseed Oil	13 years	E = 2600	−3°C, 51% RH, 0.0005 s^{-1}	[1]
Burnt Sienna, Linseed Oil	13 years	E = 137.9	23°C, 50 % RH, 0.0005 s^{-1}	[1]
Burnt Sienna, Linseed Oil	13 years	E = 173.7	23°C, 50% RH, 0.0005 s^{-1}, strain hardened	[1]
Burnt Sienna, Linseed Oil	13 years	E = 641	23°C, 5% RH, 0.0005 s^{-1}	[1]
Burnt Sienna, Linseed Oil	13 years	E = 561	23°C, 5% RH, 0.0005 s^{-1}, strain hardened	[1]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Burnt Sienna, Linseed Oil	13 years	E = 4.48	$23^{\circ}\mathrm{C}$, 91% RH, $0.0005\ \mathrm{s}^{-1}$	[1]
Burnt Sienna, Linseed Oil	13 years	E = 2757	$-3^{\circ}\mathrm{C}$, 5% RH, $0.0005\ \mathrm{s}^{-1}$	[1]
Burnt Sienna, Linseed Oil	13 years	E = 868	$-3^{\circ}\mathrm{C}$, 42% RH, $0.0005\ \mathrm{s}^{-1}$	[1]
Burnt Sienna, Linseed Oil	13 years	E = 241	$-3^{\circ}\mathrm{C}$, 51% RH, $0.0005\ \mathrm{s}^{-1}$	[1]
Flake White, Safflower Oil	13 years	E = 689	$23^{\circ}\mathrm{C}$, 50 % RH, $0.0005\ \mathrm{s}^{-1}$	[1]
Flake White, Safflower Oil	3.75 years	E = 413.6	$23^{\circ}\mathrm{C}$, 45 % RH, $0.0005\ \mathrm{s}^{-1}$	[1]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Vermilion, Safflower Oil	13 years	E = 737	23°C, 50 % RH, 0.0005 s^{-1}	[1]
Vermilion, Safflower Oil	13 years	E = 1241	23°C, 50 % RH, 0.0005 s^{-1}, strained hardened	[1]
Vermilion, Safflower Oil	3 years	E = 462	23°C, 55 % RH, 0.0005 s^{-1}	[1]
Burnt Umber, Linseed Oil	13 years	E = 34.5	23°C, 50 % RH, 0.0005 s^{-1}	[1]
Lead White, Acid-refined Linseed Oil	8 years	E = 280^{α}	23°C, 48 % RH, 0.0005 s^{-1}	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 280^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 30 seconds, dried 24 hours	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 330^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 1 minute, dried 24 hours	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 500^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 1 hour, dried 24 hours	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 660^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 24 hours, dried 24 hours	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 65^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 1 minute, dried 1 hour	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 136^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to triethalonamine (TEA) 1 minute, dried 24 hours	[2]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Lead White, Acid-refined Linseed Oil	8 years	E = 73^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to triethalonamine (TEA) 1 minute, toluene 1 minute, dried 24 hours	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 250^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to triethalonamine (TEA) 1 minute, toluene 5 minutes, dried 24 hours	[2]
Lead White, Acid-refined Linseed Oil	8 years	E = 5^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to triethalonamine (TEA) 46 hours, dried 24 hours	[2]
Malachite, Cold-pressed Linseed Oil	6 years	E = 47^{α}	23°C, 48 % RH, 0.0005 s^{-1}	[2]
Malachite, Cold-pressed Linseed Oil	6 years	E = 94^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 30 seconds, dried 24 hours	[2]
Malachite, Cold-pressed Linseed Oil	6 years	E = 340^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 1 minute, dried 24 hours	[2]
Malachite, Cold-pressed Linseed Oil	6 years	E = 1200^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 1 hour, dried 24 hours	[2]
Malachite, Cold-pressed Linseed Oil	6 years	E = 786^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 24 hours, dried 24 hours	[2]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Malachite, Cold-pressed Linseed Oil	6 years	E = 94^{α}	23°C, 48 % RH, 0.0005 s^{-1}, exposed to toluene 1 minute, dried 1 hour	[2]
Lead Carbonate, Cold-pressed Linseed Oil	0.184 years	E = 18^{α}	22°C, 50% RH, 0.0005 s^{-1}	[3]
Lead Carbonate, Cold-pressed Linseed Oil	0.269 years	E = 28^{α}	22°C, 50% RH, 0.0005 s^{-1}	[3]
Lead Carbonate, Cold-pressed Linseed Oil	0.98 years	E = 91^{α}	22°C, 50% RH, 0.0005 s^{-1}	[3]
Lead Carbonate, Cold-pressed Linseed Oil	10 years	E = 260^{α}	22°C, 50% RH, 0.0005 s^{-1}	[3]
Linen coated with Animal Glue and Lead White in Linseed Oil	0 days (thermal aging)	E = 40.6^{β}	20°C, 15% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	0 days (thermal aging)	E = 28.2^{β}	20°C, 55% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	0 days (thermal aging)	E = 20.2^{β}	20°C, 95% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	28 days (thermal aging)	E = 44.7^{β}	20°C, 15% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Linen coated with Animal Glue and Lead White in Linseed Oil	28 days (thermal aging)	E = 37.0^{β}	20°C, 55% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	28 days (thermal aging)	E = 15.3^{β}	20°C, 95% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	56 days (thermal aging)	E = 47.3^{β}	20°C, 15% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	56 days (thermal aging)	E = 31.3^{β}	20°C, 55% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	56 days (thermal aging)	E = 16.8^{β}	20°C, 95% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	112 days (thermal aging)	E = 44.7^{β}	20°C, 15% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Linen coated with Animal Glue and Lead White in Linseed Oil	112 days (thermal aging)	E = 32.8^{β}	20°C, 55% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Linen coated with Animal Glue and Lead White in Linseed Oil	112 days (thermal aging)	E = 11.9^{β}	20°C, 95% RH, thermal aging at 60°C/55 % RH, 0.001 s^{-1}, samples cut along the warp direction	[4]
Cold-pressed Linseed Oil, Lead Carbonate	0.13 years	$E_s = 18^{\alpha}$	23°C, 48% RH, E_s at 1% strain	[5]
Cold-pressed Safflower Oil, Lead Carbonate	0.27 years	$E_s = 24^{\alpha}$	23°C, 48% RH, E_s at 1% strain	[5]
Cold-pressed Safflower Oil, Lead Carbonate	0.98 years	$E_s = 51^{\alpha}$	23°C, 48% RH, E_s at 1% strain	[5]
Cold-pressed Safflower Oil, Lead Carbonate	9.5 years	$E_s = 93^{\alpha}$	23°C, 48% RH, E_s at 1% strain	[5]
Cold-pressed Safflower Oil, Lead Carbonate	14.5 years	$E_s = 122^{\alpha}$	23°C, 48% RH, E_s at 1% strain	[5]
Cold-pressed Linseed Oil, Raw Umber	12.25 years	E = 5	23°C, 48% RH	[5]
Cold-pressed Linseed Oil, Red Iron Oxide	12.25 years	E = 5	23°C, 48% RH	[5]
Cold-pressed Linseed Oil, Malachite	12.25 years	E = 89	23°C, 48% RH	[5]
Cold-pressed Linseed Oil, Titanium Dioxide	12.25 years	E = 140	23°C, 48% RH	[5]
Cold-pressed Linseed Oil, Basic Lead Carbonate	12.25 years	E = 300	23°C, 48% RH	[5]
Cold-pressed Linseed Oil, Zinc Oxide	12.25 years	E = 1667	23°C, 48% RH	[5]
Cold-pressed Linseed Oil, Zinc Oxide	14.5 years	$E_s = 340^{\alpha}$	−10°C, 46% RH, E_s at 0.1% strain	[5]
Cold-pressed Linseed Oil, Zinc Oxide	14.5 years	$E_s = 185^{\alpha}$	23°C, 10% RH, E_s at 0.1% strain	[5]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Cold-pressed Linseed Oil, Zinc Oxide	14.5 years	$E_s = 200^{\alpha}$	23°C, 48% RH, E_s at 0.1% strain	[5]
Cold-pressed Linseed Oil, Lead Carbonate	14.5 years	$E_s = 375^{\alpha}$	23°C, 10% RH, E_s at 1% strain	[5]
Cold-pressed Linseed Oil, Lead Carbonate	14.5 years	$E_s = 530^{\alpha}$	−10°C, 46% RH, E_s at 0.25% strain	[5]
Alkali-refined Linseed Oil (commercial), Titanium Dioxide	7.5 years, 0 days thermal aging	$E_s = 63^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Linseed Oil (commercial), Titanium Dioxide	7.5 years, 61 days thermal aging	$E_s = 85^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Linseed Oil (commercial), Titanium Dioxide	7.5 years, 126 days thermal aging	$E_s = 130^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Linseed Oil (commercial), Titanium Dioxide	7.5 years, 160 days thermal aging	$E_s = 120^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Linseed Oil (commercial), Titanium Dioxide	7.5 years, 300 days thermal aging	$E_s = 120^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Linseed Oil (commercial), Titanium Dioxide	7.5 years	$E_s = 94^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Soaked in 60 sec, dried	[5]
Alkali-refined Safflower Oil (commercial), Titanium Dioxide	7.5 years, 0 days thermal aging	$E_s = 50^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Safflower Oil (commercial), Titanium Dioxide	7.5 years, 61 days thermal aging	$E_s = 69^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Safflower Oil (commercial), Titanium Dioxide	7.5 years, 126 days thermal aging	$E_s = 75^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Alkali-refined Safflower Oil (commercial), Titanium Dioxide	7.5 years, 160 days thermal aging	$E_s = 73^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Safflower Oil (commercial), Titanium Dioxide	7.5 years, 300 days thermal aging	$E_s = 99^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Thermal aging at 50°C	[5]
Alkali-refined Safflower Oil (commercial), Titanium Dioxide	7.5 years	$E_s = 75^{\alpha}$	23°C, 48% RH, E_s at 1% strain, Soaked in 60 sec, dried	[5]
Red Iron Oxide in Cold-Pressed Linseed Oil	3.75 years	$E = 54^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil	3.75 years	$\sigma_T = 2.6^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil, 25% hydrolyzed	3.75 years	$E = 26^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil, 25% hydrolyzed	3.75 years	$\sigma_T = 0.8^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil, 50% hydrolyzed	3.75 years	$E = 15^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil, 50% hydrolyzed	3.75 years	$\sigma_T = 0.3^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil, 75% hydrolyzed	3.75 years	$E = 9.7^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil, 75% hydrolyzed	3.75 years	$\sigma_T = 0.1^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Red Iron Oxide in Cold-Pressed Linseed Oil, 100% hydrolyzed	3.75 years	$E = 6.3^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
Red Iron Oxide in Cold-Pressed Linseed Oil, 100% hydrolyzed	3.75 years	$\sigma_T = 0.1^{\alpha}$	20°C, 45% RH, 0.0005 s^{-1}	[6]
2 -layer: Michael Harding, Cadmium Sulfoselenide; Golden Acrylic Gesso Primer	6 days ambient, 0 days thermal aging	$E_s = 0.03$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Michael Harding, Cadmium Sulfoselenide; Spectrum Alkyd Primer	6 days ambient, 82 days thermal aging	$E_s = 0.4$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Michael Harding, Cadmium Sulfoselenide; Spectrum Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.1$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
Winsor & Newton Foundation White	7 months	E = 5230	−10°C, 55% RH, 0.002 s^{-1}	[8]
Winsor & Newton Foundation White	7 months	E = 4590	0°C, 60% RH, 0.002 s^{-1}	[8]
Winsor & Newton Foundation White	7 months	E = 2925	10°C, 57% RH, 0.002 s^{-1}	[8]
Winsor & Newton Foundation White	7 months	E = 1875	20°C, 54% RH, 0.002 s^{-1}	[8]
H. Schincke Normal Professional, Alizarin Red	5 months	$E_s = 6^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
H. Schincke Normal Professional, Phthalocyanine Blue	5 months	$E_s = 1.5^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
H. Schincke Normal Professional, Ivory Black	5 months	$E_s = 1.5^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
H. Schincke Normal Professional, Titanium White	5 months	$E_s = 130^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 6^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 7^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in water 1 min, Dried 4 weeks	[9]
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 12^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in n-hexane 1 min, Dried 4 weeks	[9]
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 10^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in ethanol 1 min, Dried 4 weeks	[9]
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 11^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in toluene 1 min, Dried 4 weeks	[9]
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 17^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in diethyl ether 1 min, Dried 4 weeks	[9]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 32^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in chloroform 1 min, Dried 4 weeks	[9]
H. Schincke Normal Professional, Hansa Yellow	5 months	$E_s = 57^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in acetone 1 min, Dried 4 weeks	[9]
Cold-Pressed Linseed Oil, no pigment	7 years	$E_s = 0.1^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Grumbacher Oil Paint, Burnt Umber (1.3% Mn)	28 years	$E_s = 14^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Gamblin Oil Paint, Burnt Umber (9.1% Mn)	7 years	$E_s = 18^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Grumbacher Oil Paint, Burnt Umber (19.1% Mn)	7 years	$E_s = 56^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Winsor & Newton Oil Paint, Burnt Umber (11.7% Mn)	7 years	$E_s = 78^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Winsor & Newton Oil Paint, Burnt Umber (18.3% Mn)	25 years	$E_s = 150^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Cold-Pressed Linseed Oil, Calcium Carbonate	14.5 years	$E_s = 4^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Cold-Pressed Linseed Oil, Silica with Litharge	8 years	$E_s = 8^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Cold-Pressed Linseed Oil, Lead White	19.5 years	$E_s = 230^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[10]
Cold-Pressed Linseed Oil, Lead Carbonate	0.18 years	$E_s = 18^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Cold-Pressed Linseed Oil, Lead Carbonate	0.27 years	$E_s = 31^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	0.98 years	$E_s = 60^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	10 years	$E_s = 100^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	14.25 years	$E_s = 150^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	18.75 years	$E_s = 230^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	19.5 years	$E_s = 250^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	19.5 years	$E_s = 240^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, immersed in water 30 sec, dried 1 month, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	19.5 years	$E_s = 230^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, immersed in methanol 30 sec, dried 1 month, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	19.5 years	$E_s = 220^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, immersed in toluene 30 sec, dried 1 month, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate	19.5 years	$E_s = 190^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, immersed in acetone 30 sec, dried 1 month, E_s at 1% strain	[11]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Cold-Pressed Linseed Oil, Lead Carbonate	19.5 years	$E_s = 170^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, immersed in mineral spirits 60 sec, dried 1 month, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Tin Yellow	7.5 years	$E_s = 300^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Lead Carbonate with Litharge	16.7 years	$E_s = 290^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Chrome Yellow	7.5 years	$E_s = 40^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Naples Yellow	7.5 years	$E_s = 3^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Titanium Dioxide (rutile)	8.4 years	$E_s = 110^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.25% strain	[11]
Cold-Pressed Linseed Oil, Titanium Dioxide (rutile)	17.2 years	$E_s = 130^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.25% strain	[11]
Cold-Pressed Linseed Oil, Zinc Oxide	8 years	$E_s = 610^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.25% strain	[11]
Cold-Pressed Linseed Oil, Zinc Oxide	14.5 years	$E_s = 1320^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.25% strain	[11]
Cold-Pressed Linseed Oil, Raw Sienna	1.25 years	$E_s = 12^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Raw Sienna	8 years	$E_s = 0^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Raw Sienna	14.25 years	$E_s = 3^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Burnt Sienna	1.25 years	$E_s = 50^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Cold-Pressed Linseed Oil, Burnt Sienna	8.5 years	$E_s = 3^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Raw Umber	7.5 years	$E_s = 36^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Cold-Pressed Linseed Oil, Raw Umber	14 years	$E_s = 6^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Cold-Pressed Linseed Oil, Burnt Umber	1.25 years	$E_s = 8^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Cold-Pressed Linseed Oil, Burnt Umber	7.5 years	$E_s = 0^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Cold-Pressed Linseed Oil, Yellow Ocher mixed with Grumbacher Flake White (alkali-refined linseed oil), 4:1 ratio by volume	2.5 years	$E_s = 200^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Yellow Ocher mixed with Grumbacher Flake White (alkali-refined linseed oil), 4:1 ratio by volume	2.5 years	$E_s = 230^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, Immersed in Acetone 30 sec and dried, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Yellow Ocher mixed with Grumbacher Flake White (alkali-refined linseed oil), 4:1 ratio by volume	2.5 years	$E_s = 240^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, Immersed in methanol 30 sec and dried, E_s at 1% strain	[11]
Winsor & Newton, Yellow Ocher	30 years	$E_s = 40^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Speedball, Yellow Ocher	29 years	$E_s = 0^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Cold-Pressed Linseed Oil, Yellow Ocher	18 years	$E_s = 0^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Gamblin Artists Oil Colors, Raw Umber	15 years	$E_s = 7^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[12]
Grumbacher Pretested Artists Oil Colors, Raw Umber	15 years	$E_s = 20^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[12]
Gamblin Artists Oil Colors, Burnt Umber	15 years	$E_s = 22^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[12]
Grumbacher Pretested Artists Oil Colors, Burnt Umber	15 years	$E_s = 47^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[12]
Speedball, Burnt Umber	33 years	$E_s = 32^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[12]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 3420^{\alpha}$	−10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 2830^{\alpha}$	−10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 2100^{\alpha}$	−10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 1720^{\alpha}$	−10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 1440^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 1310^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 900^{\alpha}$	20°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 870^{\alpha}$	10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 650^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 650^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Titanium White (professional series): Safflower Oil, TiO_2/ZnO	6 years	$E_s = 470^{\alpha}$	20°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 1890^{\alpha}$	0°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 1600^{\alpha}$	−10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 1380^{\alpha}$	0°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 1180^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 1060^{\alpha}$	0°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 890^{\alpha}$	10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 760^{\alpha}$	0°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 720^{\alpha}$	10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Zinc White (professional series): Safflower Oil, ZnO	6-10 years	$E_s = 520^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 2180^{\alpha}$	0°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 1720^{\alpha}$	0°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 1590^{\alpha}$	10°C, 50 % RH,0.02 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 1280^{\alpha}$	0°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 1110^{\alpha}$	10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 990^{\alpha}$	20°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 880^{\alpha}$	10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 780^{\alpha}$	20°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 620^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 590^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Zinc White: Cold-Pressed Linseed Oil, ZnO	6-10 years	$E_s = 440^{\alpha}$	20°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Flake White: Refined Linseed Oil, Basic $PbCO_3$/ZnO	6-10 years	$E_s = 1440^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Michael Harding Flake White: Refined Linseed Oil, Basic $PbCO_3/ZnO$	6-10 years	$E_s = 1160^{\alpha}$	10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Flake White: Refined Linseed Oil, Basic $PbCO_3/ZnO$	6-10 years	$E_s = 940^{\alpha}$	20°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Flake White: Refined Linseed Oil, Basic $PbCO_3/ZnO$	6-10 years	$E_s = 670^{\alpha}$	20°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Flake White: Refined Linseed Oil, Basic $PbCO_3/ZnO$	6-10 years	$E_s = 610^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Flake White: Refined Linseed Oil, Basic $PbCO_3/ZnO$	6-10 years	$E_s = 550^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Michael Harding Flake White: Refined Linseed Oil, Basic $PbCO_3/ZnO$	6-10 years	$E_s = 390^{\alpha}$	20°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 1080^{\alpha}$	−10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 690^{\alpha}$	−10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 440^{\alpha}$	−10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 320^{\alpha}$	0°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 310^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 260^{\alpha}$	−10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 200^{\alpha}$	10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 190^{\alpha}$	20°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 130^{\alpha}$	10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 120^{\alpha}$	20°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 80^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 70^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Winsor & Newton Artisan Titanium White: Drying oil/additives, TiO_2	6-10 years	$E_s = 40^{\alpha}$	20°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Cold Pressed Linseed Oil, Lead Tin Yellow	1.25 years	$E_s = 170^{\alpha}$	23°C, 50% RH, E_s at 1% strain	[14]
Cold Pressed Linseed Oil, Lead Tin Yellow	7.85 years	$E_s = 600^{\alpha}$	23°C, 15% RH, E_s at 1% strain	[14]
Cold Pressed Linseed Oil, Lead Tin Yellow	7.5 years	$E_s = 300^{\alpha}$	23°C, 49% RH, E_s at 1% strain	[14]
Cold Pressed Linseed Oil, Lead Tin Yellow	7.85 years	$E_s = 160^{\alpha}$	23°C, 83% RH, E_s at 1% strain	[14]
Cold Pressed Linseed Oil, Red Iron Oxide	1.25 years	$E_s = 11^{\alpha}$	23°C, 50% RH, E_s at 1% strain	[14]
Cold Pressed Linseed Oil, Red Iron Oxide	7.85 years	$E_s = 7^{\alpha}$	23°C, 16% RH, E_s at 1% strain	[14]
Cold Pressed Linseed Oil, Red Iron Oxide	7.5 years	$E_s = 3^{\alpha}$	23°C, 48% RH, E_s at 1% strain	[14]
Cold Pressed Linseed Oil, Red Iron Oxide	7.85 years	$E_s = 1^{\alpha}$	23°C, 84% RH, E_s at 1% strain	[14]
Grumbacher Artists' Oil Colors: Alkali Refined Linseed Oil, Cobalt Blue PB28	2 years	$E_s = 0.29^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 1% strain and similar to σ_T for this sample	[15]
Grumbacher Artists' Oil Colors: Alkali Refined Linseed Oil, Cobalt Blue PB28	18 years	$E = 9^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E measured for linear elastic region	[15]
Grumbacher Artists' Oil Colors: Alkali Refined Linseed Oil, Cobalt Blue PB28	18 years	$\sigma_T = 0.3^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, σ_T measured at maximum stress	[15]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Gamblin Artists' Oil Colors: Alkali Refined Linseed Oil, Cobalt Blue PB28	2 years	$E_s = 0.35^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 1% strain and similar to σ_T for this sample	[15]
Gamblin Artists' Oil Colors: Alkali Refined Linseed Oil, Cobalt Blue PB28	18 years	$E = 111^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E measured for the linear elastic region	[15]
Gamblin Artists' Oil Colors: Alkali Refined Linseed Oil, Cobalt Blue PB28	18 years	$\sigma_T = 0.22^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, σ_T measured at maximum stress	[15]
Gamblin Artists' Oil Colors: Linseed Oil, Cobalt Blue PB28 & Litharge	18 years	$E = 45^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E measured for the linear elastic region	[15]
Gamblin Artists' Oil Colors: Linseed Oil, Cobalt Blue PB28 & Litharge	18 years	$\sigma_T = 0.34^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, σ_T measured at maximum stress	[15]
Winsor & Newton Artists' Paint: Linseed/Safflower Oil, Cobalt Blue PB28	3 years	$\sigma_T = 2.4^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, σ_T measured at maximum stress	[15]
Titan color al óleo extrafino 52: Cobalt Blue PB28 & PB29	3 years	$\sigma_T = 1^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, σ_T measured at maximum stress	[15]
Talens-Van Gogh Oil Colour 511: Cobalt Blue PB28	3 years	$\sigma_T = 0.69^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, σ_T measured at maximum stress	[15]
Cold Pressed Linseed Oil, Cobalt Blue PB28	3 years	$E_s = 0.3^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Cold Pressed Linseed Oil, Cobalt Blue PB28	3 years	$E_s = 0.4^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 5% strain	[15]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Cold Pressed Linseed Oil, Cobalt Blue PB28, Calcite, Gypsum, Kaolin	3 years	$E_s = 3.2^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Cold Pressed Linseed Oil, Cobalt Blue PB28, Calcite, Gypsum, Kaolin	3 years	$E_s = 2^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 5% strain	[15]
Cold Pressed Linseed Oil, Cobalt Blue PB28, Calcite, Gypsum, Kaolin, Aluminum Stearate	3 years	$E_s = 2.9^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Cold Pressed Linseed Oil, Cobalt Blue PB28, Calcite, Gypsum, Kaolin, Aluminum Stearate	3 years	$E_s = 5.2^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 5% strain	[15]
Cold Pressed Linseed Oil, Cobalt Blue PB28, Calcite, Gypsum, Kaolin, Aluminum Stearate, Castor Wax	3 years	$E_s = 2^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Cold Pressed Linseed Oil, Cobalt Blue PB28, Calcite, Gypsum, Kaolin, Aluminum Stearate, Castor Wax	3 years	$E_s = 3.2^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 5% strain	[15]
Cold Pressed Linseed Oil, Safflower Oil, Sunflower Oil Cobalt Blue PB28, Calcite, Gypsum, Kaolin, Aluminum Stearate, Castor Wax	3 years	$E_s = 1^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 1% strain	[15]

Sample Composition	Aging time	Mechanical Property (MPa)	Testing Conditions	Reference
Cold Pressed Linseed Oil, Safflower Oil, Sunflower Oil Cobalt Blue PB28, Calcite, Gypsum, Kaolin, Aluminum Stearate, Castor Wax	3 years	$E_s = 1.3^{\alpha}$	23°C, 50% RH, 0.0625 s^{-1}, E_s at 5% strain	[15]

Table 2: Summary of tensile test data for alkyd paint samples, including composition, aging time of the sample, testing conditions (temperature, RH, strain rate), mechanical property (Youngs modulus (E), equilibrium modulus (E_{eq}), secant modulus (E_s), tensile strength (σ_T), or yield stress (σ_Y), reference, *etc.* *Strain rates from this reference ranged from 0.001-0.01 s^{-1}. $^{\alpha}$Indicates a value estimated from a plot in the paper, rather than a tabulated value.

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Alizarine Crimson	10+ years	E = 758	23°C, 50 % RH	[16]*
Alizarine Crimson	10 + years	E = 1257	23°C, 5 % RH	[16]*
Alizarine Crimson	10 + years	E = 4540	−5°C, 5 % RH	[16]*
Burnt Umber	10+ years	E = 1990	23°C, 50 % RH	[16]*
Burnt Umber	10+ years	E = 2794	23°C, 5 % RH	[16]*
Cadmium Yellow	10+ years	E = 1327	23°C, 50 % RH	[16]*
Cadmium Yellow	10+ years	E = 2968	23°C, 5 % RH	[16]*
Iron Oxide Red	10+ years	E = 1152	23°C, 50 % RH	[16]*
Iron Oxide Red	10+ years	E = 2095	23°C, 5 % RH	[16]*
Iron Oxide Red	10+ years	E = 9079	−5°C, 5 % RH	[16]*
Ivory Black	10+ years	E = 559	23°C, 50 % RH	[16]*
Ivory Black	10+ years	E = 1257	23°C, 5 % RH	[16]*
Lead White	10+ years	E = 4190	23°C, 50 % RH	[16]*
Lead White	10+ years	E = 5936	23°C, 5 % RH	[16]*
Lead White	10+ years	E = 8730	−5°C, 5 % RH	[16]*
Titanium White	10+ years	E = 1921	23°C, 50 % RH	[16]*
Titanium White	10+ years	E = 4400	23°C, 5 % RH	[16]*
Yellow Ochre	10+ years	E = 978	23°C, 50 % RH	[16]*
Yellow Ochre	10+ years	E = 2095	23°C, 5 % RH	[16]*
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	3 days	$E = 8.2^{\alpha}$	Ambient, Load Relaxation, Film Thickness: 0.4 mm	[17]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	3 days	E = 7.4^{α}	Ambient, Load Relaxation, Film Thickness = 0.7 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	3 days	E = 7.0^{α}	Ambient, Load Relaxation, Film Thickness = 1 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	3 days	E = 5.6^{α}	Ambient, Load Relaxation, Film Thickness = 1.4 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	11 days	E = 21.0^{α}	Ambient, Load Relaxation, Film Thickness = 0.4 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	11 days	E = 17.2^{α}	Ambient, Load Relaxation, Film Thickness = 0.7 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	11 days	E = 14.5^{α}	Ambient, Load Relaxation, Film Thickness = 1 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	11 days	E = 10.4^{α}	Ambient, Load Relaxation, Film Thickness = 1.4 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	19 days	E = 31.4^{α}	Ambient, Load Relaxation, Film Thickness = 0.4 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	19 days	E = 25.1^{α}	Ambient, Load Relaxation, Film Thickness = 0.7 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	19 days	E = 19.7^{α}	Ambient, Load Relaxation, Film Thickness = 1 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	19 days	E = 13.7^{α}	Ambient, Load Relaxation, Film Thickness = 1.4 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	30 days	E = 36.0^{α}	Ambient, Load Relaxation, Film Thickness = 0.2 mm	[17]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	30 days	E = 35.5^{α}	Ambient, Load Relaxation, Film Thickness = 0.4 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	30 days	E = 29.6^{α}	Ambient, Load Relaxation, Film Thickness = 0.7 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	30 days	E = 23.7^{α}	Ambient, Load Relaxation, Film Thickness = 1 mm	[17]
Alkyd Emulsion (URADIL AZ554 Z-50), Cobalt drier	30 days	E = 18.3^{α}	Ambient, Load Relaxation, Film Thickness = 1.2 mm	[17]
Dulux: Nondrip Gloss, Pure Brilliant White	3 months	$\sigma_{\mathrm{T}} = 9.2^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Dulus Trade: High Gloss, Pure Brilliant White	3 months	$\sigma_{\mathrm{T}} = 6.6^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Crown: Nondrip Gloss, Pure Brilliant White	3 months	$\sigma_{\mathrm{T}} = 6.5^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Griffin (Windsor & Newton), Titanium White	3 months	$\sigma_{\mathrm{T}} = 5.0^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Golden Acrylic Gesso Primer	6 days ambient, 94 days thermal aging	$\mathrm{E_s} = 0.36$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, $\mathrm{E_s}$ at 0.5% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Golden Acrylic Gesso Primer	6 days ambient, 94 days thermal aging	$\mathrm{E_s} = 0.15$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, $\mathrm{E_s}$ at 5.0% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Golden Acrylic Gesso Primer	6 days ambient, 0 days thermal aging	$\mathrm{E_s} = 0.21$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, $\mathrm{E_s}$ at 0.5% strain	[7]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Golden Acrylic Gesso Primer	6 days ambient, 0 days thermal aging	$E_s = 0.08$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Roberson Acrylic Primer	6 days ambient, 94 days thermal aging	$E_s = 0.08$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Roberson Acrylic Primer	6 days ambient, 94 days thermal aging	$E_s = 0.11$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Roberson Acrylic Primer	6 days ambient, 0 days thermal aging	$E_s = 0.08$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Roberson Acrylic Primer	6 days ambient, 0 days thermal aging	$E_s = 0.09$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Winsor & Newton Alkyd Primer	6 days ambient, 64 days thermal aging	$E_s = 1.06$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Winsor & Newton Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.24$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Winsor & Newton Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.17$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Spectrum Alkyd Primer	6 days ambient, 94 days thermal aging	$E_s = 0.07$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Spectrum Alkyd Primer	6 days ambient, 94 days thermal aging	$E_s = 0.18$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Spectrum Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.05$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Winsor & Newton Griffin, Cadmium Sulfoselenide; Spectrum Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.01$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
Winsor & Newton Alkyd Primer	7 months	E = 6340	−10°C, 55% RH, 0.002 s^{-1}	[8]
Winsor & Newton Alkyd Primer	7 months	E = 6020	0°C, 60 RH, 0.002 s^{-1}	[8]
Winsor & Newton Alkyd Primer	7 months	E = 4350	10°C, 57% RH, 0.002 s^{-1}	[8]
Winsor & Newton Alkyd Primer	7 months	E = 2720	20°C, 54% RH, 0.002 s^{-1}	[8]
Spectrum Primer	7 months	E = 4570	−10°C, 55% RH, 0.002 s^{-1}	[8]
Spectrum Primer	7 months	E = 3240	0°C, 60 RH, 0.002 s^{-1}	[8]
Spectrum Primer	7 months	E = 2170	10°C, 57% RH, 0.002 s^{-1}	[8]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Spectrum Primer	7 months	E = 1080	20°C, 54% RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 6060	−10°C, 55% RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 3940	0°C, 60 RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 2760	10°C, 57% RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 990	20°C, 54% RH, 0.002 s^{-1}	[8]
Winsor & Newton Griffin, Alizarin Red	5 months	$E_s = 4^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
Winsor & Newton Griffin, Phthalocyanine Blue	5 months	$E_s = 12^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
Winsor & Newton Griffin, Ivory Black	5 months	$E_s = 42^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
Winsor & Newton Griffin, Titanium White	5 months	$E_s = 270^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 7^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 8^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in water 1 min, Dried 4 weeks	[9]
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 12^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in n-hexane 1 min, Dried 4 weeks	[9]
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 9^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in ethanol 1 min, Dried 4 weeks	[9]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 15^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in toluene 1 min, Dried 4 weeks	[9]
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 21^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in diethyl ether 1 min, Dried 4 weeks	[9]
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 13^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in chloroform 1 min, Dried 4 weeks	[9]
Winsor & Newton Griffin, Hansa Yellow	5 months	$E_s = 49^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in acetone 1 min, Dried 4 weeks	[9]
DIY Indoor/Outdoor Alkyd, Alizarin Red	5 months	$E_s = 110^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
DIY Indoor/Outdoor Alkyd, Phthalocyanine Blue	5 months	$E_s = 140^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
DIY Indoor/Outdoor Alkyd, Ivory Black	5 months	$E_s = 190^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
DIY Indoor/Outdoor Alkyd, Titanium White	5 months	$E_s = 270^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 120^{\alpha}$	Ambient Conditions, E_s at 1% strain	[9]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 105^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in water 1 min, Dried 4 weeks	[9]
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 108^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in n-hexane 1 min, Dried 4 weeks	[9]
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 124^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in ethanol 1 min, Dried 4 weeks	[9]
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 135^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in toluene 1 min, Dried 4 weeks	[9]
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 119^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in diethyl ether 1 min, Dried 4 weeks	[9]
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 160^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in chloroform 1 min, Dried 4 weeks	[9]
DIY Indoor/Outdoor Alkyd, Hansa Yellow	5 months	$E_s = 168^{\alpha}$	Ambient Conditions, E_s at 1% strain, Immersed in acetone 1 min, Dried 4 weeks	[9]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Winsor & Newton Griffin, Titanium Dioxide	7 years	$E_s = 125^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Gamblin "Alkyd White," Zinc Oxide	7 years	$E_s = 580^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Winsor & Newton Griffin, Cobalt Blue	7 years	$E_s = 75^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Winsor & Newton, Flake White	29 years	$E_s = 2780^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.25% strain	[11]
Winsor & Newton, Burnt Umber	29 years	$E_s = 1720^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 0.5% strain	[11]
Winsor & Newton, Titanium White	29 years	$E_s = 980^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Winsor & Newton, Alizarin Crimson	20 years	$E_s = 150^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Winsor & Newton, Alizarin Crimson	29 years	$E_s = 240^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Winsor & Newton, Alizarin Crimson	29 years	$E_s = 260^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, Immersed in Acetone 30 sec and dried,E_s at 1% strain	[11]
Winsor & Newton, Alizarin Crimson	29 years	$E_s = 280^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, Immersed in Methanol 30 sec, E_s at 1% strain	[11]
Winsor & Newton, Yellow Ochre	29 years	$E_s = 150^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]
Winsor & Newton, Ivory Black	29 years	$E_s = 140^{\alpha}$	23°C, 50 % RH, 0.0005 s^{-1}, E_s at 1% strain	[11]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 4850^{\alpha}$	$-10°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 4480^{\alpha}$	$-10°C$, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 4270^{\alpha}$	$0°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 3370^{\alpha}$	$-10°C$, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 3010^{\alpha}$	$10°C$, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 2560^{\alpha}$	$10°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 1350^{\alpha}$	$20°C$, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 1120^{\alpha}$	$10°C$, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 790^{\alpha}$	$20°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[13]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 680^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Griffin Titanium White: Oil-modified alkyd, TiO_2	6-10 years	$E_s = 410^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[13]
Winsor & Newton Alkyd Paint, Cobalt Blue PB28	2 years	$E_s = 43^{\alpha}$	23°C, 50 % RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Winsor & Newton Alkyd Paint, Cobalt Blue PB28	8 years	$E_s = 140^{\alpha}$	23°C, 50 % RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Winsor & Newton Alkyd Paint, Cobalt Blue PB28	19 years	$E_s = 170^{\alpha}$	23°C, 50 % RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Winsor & Newton Griffin Artists' Alkyd Paint, Cobalt Blue PB28	8 years	$E_s = 84^{\alpha}$	23°C, 50 % RH, 0.0625 s^{-1}, E_s at 1% strain	[15]
Winsor & Newton Griffin Artists' Alkyd Paint, Cobalt Blue PB28	19 years	$E_s = 400^{\alpha}$	23°C, 50 % RH, 0.0625 s^{-1}, E_s at 1% strain	[15]

Table 3: Summary of tensile test data for acrylic paint samples, including composition, aging time of the sample, testing conditions (temperature, RH, strain rate), mechanical property (Youngs modulus (E), equilibrium modulus (E_{eq}), secant modulus (E_s), tensile strength (σ_T), or yield stress (σ_Y), reference, *etc.* *Strain rates from this reference ranged from 0.001-0.01 s^{-1}. $^{\alpha}$Indicates a value estimated from a plot in the paper, rather than a tabulated value.

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Burnt Sienna	10+ years	E = 279	23°C, 50 % RH	[16]*
Burnt Sienna	10+ years	E = 1048	23°C, 5 % RH	[16]*
Burnt Sienna	10+ years	E = 6425	−6.5°C, 5 % RH	[16]*
Burnt Sienna	10+ years	E = 6111	5°C, 5 % RH	[16]*

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Burnt Sienna	13 years	E_{eq} = 62.9	23°C, 50 % RH, stress relaxation	[19]
Burnt Umber	10+ years	E = 77	23°C, 50 % RH	[16]*
Burnt Umber	10+ years	E = 349	23°C, 5 % RH	[16]*
Burnt Umber	10+ years	E = 3981	−8.1°C, 50 % RH	[16]*
Burnt Umber	10+ years	E = 1571	5.6°C, 50 % RH	[16]*
Burnt Umber	10+ years	E = 17	33.4°C, 50 % RH	[16]*
Cadmium Red	10+ years	E = 161	23°C, 50 % RH	[16]*
Cadmium Yellow	10+ years	E = 105	23°C, 50 % RH	[16]*
Cadmium Yellow	10+ years	E = 475	23°C, 5 % RH	[16]*
Cadmium Yellow	10+ years	E = 5517	−6.5°C, 5 % RH	[16]*
Cadmium Yellow	10+ years	E = 4470	5°C, 5 % RH	[16]*
Cerulean Blue	10+ years	E = 140	23°C, 50 % RH	[16]*
Cerulean Blue	10+ years	E = 265	23°C, 5 % RH	[16]*
Cobalt Blue	10+ years	E = 314	23°C, 50 % RH	[16]*
Cobalt Blue	10+ years	E = 698	23°C, 5 % RH	[16]*
Cobalt Blue	10+ years	E = 6495	−8.1°C, 50 % RH	[16]*
Cobalt Blue	10+ years	E = 2025	5.6°C, 50 % RH	[16]*
Cobalt Blue	10+ years	E = 23	33.4°C, 50 % RH	[16]*
Iron Oxide Red	10+ years	E = 279	23°C, 50 % RH	[16]*
Iron Oxide Red	10+ years	E = 663	23°C, 5 % RH	[16]*
Ivory Black	10+ years	E = 84	23°C, 50 % RH	[16]*
Ivory Black	10+ years	E = 279	23°C, 5 % RH	[16]*
Ivory Black	10+ years	E = 3413	−4.3°C, 50 % RH	[16]*
Ivory Black	10+ years	E = 1467	5.6°C, 50 % RH	[16]*
Ivory Black	10+ years	E = 4.75	33.4°C, 50 % RH	[16]*
Raw Sienna	10+ years	E = 70	23°C, 50 % RH	[16]*
Raw Sienna	10+ years	E = 223	23°C, 5 % RH	[16]*
Titanium White	10+ years	E = 147	23°C, 50 % RH	[16]*
Titanium White	10+ years	E = 978	23°C, 5 % RH	[16]*
Titanium White	10+ years	E = 10476	−6.5°C, 5 % RH	[16]*
Titanium White	10+ years	E = 6286	5°C, 5 % RH	[16]*
Titanium White	13 years	E_{eq} = 83.8	23°C, 50 % RH	[19]
Liquitex gloss medium	10 days	$\sigma_T = 8.7^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	10 days	$\sigma_Y = 2.2^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	36 days	$\sigma_T = 11.7^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Liquitex gloss medium	36 days	$\sigma_{\mathrm{Y}} = 3.6^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	65 days	$\sigma_{\mathrm{T}} = 12.2^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	65 days	$\sigma_{\mathrm{Y}} = 5.9^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	72 days	$\sigma_{\mathrm{T}} = 13.1^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	72 days	$\sigma_{\mathrm{Y}} = 5.8^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	120 days	$\sigma_{\mathrm{T}} = 14.0^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	120 days	$\sigma_{\mathrm{Y}} = 6.8^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	153 days	$\sigma_{\mathrm{T}} = 13.7^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	153 days	$\sigma_{\mathrm{Y}} = 6.4^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	167 days	$\sigma_{\mathrm{T}} = 13.9^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	167 days	$\sigma_{\mathrm{Y}} = 6.2^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	569 days	$\sigma_{\mathrm{T}} = 13.8^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	569 days	$\sigma_{\mathrm{Y}} = 5.3^{\alpha}$	25°C, 40 % RH, aged in the dark, 5 s^{-1}	[20]
Liquitex gloss medium	0 days of UV-B exposure	$\sigma_{\mathrm{T}} = 12.3^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Liquitex gloss medium	0 days of UV-B exposure	$\sigma_{\mathrm{Y}} = 5.6^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	3 days of UV-B exposure	$\sigma_{\mathrm{T}} = 9.6^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	3 days of UV-B exposure	$\sigma_{\mathrm{Y}} = 4.1^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	7 days of UV-B exposure	$\sigma_{\mathrm{T}} = 9.7^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	7 days of UV-B exposure	$\sigma_{\mathrm{Y}} = 7.1^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	20 days of UV-B exposure	$\sigma_{\mathrm{T}} = 9.04^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	20 days of UV-B exposure	$\sigma_{\mathrm{Y}} = 9.9^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	27 days of UV-B exposure	$\sigma_{\mathrm{T}} = 2.6^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	27 days of UV-B exposure	$\sigma_{\mathrm{Y}} = 2.7^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-B exposure, 5 s^{-1}	[20]
Liquitex gloss medium	0 days of UV-A exposure	$\sigma_{\mathrm{T}} = 12.3^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]
Liquitex gloss medium	0 days of UV-A exposure	$\sigma_{\mathrm{Y}} = 5.6^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Liquitex gloss medium	20 days of UV-A exposure	$\sigma_{\mathrm{T}} = 9.6^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]
Liquitex gloss medium	20 days of UV-A exposure	$\sigma_{\mathrm{Y}} = 3.9^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]
Liquitex gloss medium	42 days of UV-A exposure	$\sigma_{\mathrm{T}} = 9.3^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]
Liquitex gloss medium	42 days of UV-A exposure	$\sigma_{\mathrm{Y}} = 4.8^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]
Liquitex gloss medium	84 days of UV-A exposure	$\sigma_{\mathrm{T}} = 9.7^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]
Liquitex gloss medium	84 days of UV-A exposure	$\sigma_{\mathrm{Y}} = 8.0^{\alpha}$	23°C, 50 % RH, aged in the dark 60 days before UV-A exposure, 5 s^{-1}	[20]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 7.4^{\alpha}$	21°C, 20% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\mathrm{E_s} = 81.7^{\alpha}$	21°C, 20% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 5.7^{\alpha}$	21°C, 40% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\mathrm{E_s} = 48.9^{\alpha}$	21°C, 40% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 25$	1.5°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$E_s = 2281$	1.5°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 8.4$	7.5°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$E_s = 643$	7.5°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	2 days	$\sigma_{\mathrm{T}} = 1.8$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	2 days	$E_s = 9.9$	21°C, 50% RH, 0.0028 s^{-1}	[21]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Rhoplex AC-234, Bone Black	5 months	$\sigma_{\mathrm{T}} = 4.4$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	5 months	$E_s = 24$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 5.0^{\alpha}$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\mathrm{E_s} = 31.0^{\alpha}$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	13 months	$\sigma_{\mathrm{T}} = 4.8$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	13 months	$E_s = 31$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	σ_{T} =3.2	31°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	E_s =19	31°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 4.1^{\alpha}$	21°C, 60% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\mathrm{E_s} = 18.8^{\alpha}$	21°C, 60% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 2.3^{\alpha}$	21°C, 80% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\mathrm{E_s} = 6.3^{\alpha}$	21°C, 80% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 9.1^{\alpha}$	21°C, 20% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\mathrm{E_s} = 99.5^{\alpha}$	21°C, 20% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 7.0^{\alpha}$	21°C, 40% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\mathrm{E_s} = 72.3^{\alpha}$	21°C, 40% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_{\mathrm{T}} = 5.3^{\alpha}$	21°C, 50% RH, immersed in water 15 min, dried 72 hours, 0.0028 s^{-1}	[21]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Rhoplex AC-234, Bone Black	7 months	$E_s = 36.7^{\alpha}$	21°C, 50% RH, immersed in water 15 min, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_T = 5.7^{\alpha}$	21°C, 50% RH, immersed in water 1 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$E_s = 42.2^{\alpha}$	21°C, 50% RH, immersed in water 1 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_T = 6.1^{\alpha}$	21°C, 50% RH, immersed in water 6 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$E_s = 50.8^{\alpha}$	21°C, 50% RH, immersed in water 6 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_T = 6.3^{\alpha}$	21°C, 50% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$E_s = 53.5^{\alpha}$	21°C, 50% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_T = 5.3^{\alpha}$	21°C, 60% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$E_s = 40.2$	21°C, 60% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$\sigma_T = 3.7^{\alpha}$	21°C, 80% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Bone Black	7 months	$E_s = 17.4^{\alpha}$	21°C, 80% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 4.5^{\alpha}$	21°C, 20% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 39.4^{\alpha}$	21°C, 20% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 3.0^{\alpha}$	21°C, 40% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 22.9^{\alpha}$	21°C, 40% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 2.3^{\alpha}$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 13.7^{\alpha}$	21°C, 50% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 1.8^{\alpha}$	21°C, 60% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 7.0^{\alpha}$	21°C, 60% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 1.0^{\alpha}$	21°C, 80% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 5.7^{\alpha}$	21°C, 80% RH, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 5.7^{\alpha}$	21°C, 20% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 50.7^{\alpha}$	21°C, 20% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 4.2^{\alpha}$	21°C, 40% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 35.2^{\alpha}$	21°C, 40% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 3.3^{\alpha}$	21°C, 50% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 27.0^{\alpha}$	21°C, 50% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 2.9^{\alpha}$	21°C, 60% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 21.6^{\alpha}$	21°C, 60% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$\sigma_T = 1.9^{\alpha}$	21°C, 80% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Rhoplex AC-234, Naphthol Red Light	7 months	$E_s = 12.6^{\alpha}$	21°C, 80% RH, immersed in water 24 hours, dried 72 hours, 0.0028 s^{-1}	[21]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 23^{\alpha}$	21°C, 50% RH, 0.00002 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 41^{\alpha}$	21°C, 50% RH, 0.0002 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 204^{\alpha}$	21°C, 15% RH, 0.002 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 89^{\alpha}$	21°C, 35% RH, 0.002 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$\sigma_T = 11.5^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 90^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 13^{\alpha}$	21°C, 65% RH, 0.002 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 3.2^{\alpha}$	21°C, 85% RH, 0.002 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 227^{\alpha}$	21°C, 50% RH, 0.02 s^{-1}	[18]
Golden Acrylic (BA/MMA), Titanium White	3 months	$E = 444^{\alpha}$	21°C, 50% RH, 0.2 s^{-1}	[18]
Dulux Trade: Eggshell, Pure Brilliant White	3 months	$\sigma_T = 5.6^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Dulux Trade: Vinyl Silk, Pure Brilliant White	3 months	$\sigma_T = 3.6^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Dulux Trade: Matte, Pure Brilliant White	3 months	$\sigma_T = 4.4^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Crown: Matte, Pure Brilliant White	3 months	$E = 1110^{\alpha}$	21°C, 50% RH, 0.000002 s^{-1}	[18]
Crown: Matte, Pure Brilliant White	3 months	$E = 1250^{\alpha}$	21°C, 50% RH, 0.00002 s^{-1}	[18]
Crown: Matte, Pure Brilliant White	3 months	$E = 1570^{\alpha}$	21°C, 50% RH, 0.0002 s^{-1}	[18]
Crown: Matte, Pure Brilliant White	3 months	$\sigma_T = 4.3^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Crown: Matte, Pure Brilliant White	3 months	$E = 2080^{\alpha}$	21°C, 50% RH, 0.002 s^{-1}	[18]
Crown: Matte, Pure Brilliant White	3 months	$E = 2430^{\alpha}$	21°C, 50% RH, 0.02 s^{-1}	[18]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
2 -layer: Liquitex, Cadmium Selenosulfide; Golden Acrylic Gesso Primer	6 days ambient, 112 days thermal aging	$E_s = 0.11$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Golden Acrylic Gesso Primer	6 days ambient, 112 days thermal aging	$E_s = 0.04$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Golden Acrylic Gesso Primer	6 days ambient, 0 days thermal aging	$E_s = 0.06$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Golden Acrylic Gesso Primer	6 days ambient, 0 days thermal aging	$E_s = 0.03$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Roberson Acrylic Primer	6 days ambient, 112 days thermal aging	$E_s = 0.04$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Roberson Acrylic Primer	6 days ambient, 0 days thermal aging	$E_s = 0.02$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Winsor & Newton Alkyd Primer	6 days ambient, 112 days thermal aging	$E_s = 0.14$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Winsor & Newton Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.05$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Spectrum Alkyd Primer	6 days ambient, 112 days thermal aging	$E_s = 0.17$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
2 -layer: Liquitex, Cadmium Selenosulfide; Spectrum Alkyd Primer	6 days ambient, 112 days thermal aging	$E_s = 0.08$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Spectrum Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.05$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 0.5% strain	[7]
2 -layer: Liquitex, Cadmium Selenosulfide; Spectrum Alkyd Primer	6 days ambient, 0 days thermal aging	$E_s = 0.05$	20°C, 55% RH, 0.001 s^{-1}, Thermal aging: 60°C, 55% RH, E_s at 5.0% strain	[7]
Liquitex Ground	4-42 months	$E = 1370^{\alpha}$	21°C, 55% RH, 0.002 s^{-1}	[22]
Liquitex Ground	4-42 months	$E = 3300^{\alpha}$	21°C, 20% RH, 0.002 s^{-1}	[22]
Liquitex Ground	4-42 months	$E = 3600^{\alpha}$	10°C, 55% RH, 0.002 s^{-1}	[22]
Golden Ground	4-42 months	$E = 750^{\alpha}$	21°C, 55% RH, 0.002 s^{-1}	[22]
Golden Ground	4-42 months	$E = 1180^{\alpha}$	21°C, 20% RH, 0.002 s^{-1}	[22]
Golden Ground	4-42 months	$E = 2540^{\alpha}$	10°C, 55% RH, 0.002 s^{-1}	[22]
Winsor & Newton Ground	4-42 months	$E = 510^{\alpha}$	21°C, 55% RH, 0.002 s^{-1}	[22]
Winsor & Newton Ground	4-42 months	$E = 880^{\alpha}$	21°C, 20% RH, 0.002 s^{-1}	[22]
Winsor & Newton Ground	4-42 months	$E = 2040^{\alpha}$	10°C, 55% RH, 0.002 s^{-1}	[22]
Talens Ground	4-42 months	$E = 600^{\alpha}$	21°C, 55% RH, 0.002 s^{-1}	[22]
Talens Ground	4-42 months	$E = 1140^{\alpha}$	21°C, 20% RH, 0.002 s^{-1}	[22]
Talens Ground	4-42 months	$E = 2120^{\alpha}$	10°C, 55% RH, 0.002 s^{-1}	[22]
Liquitex, Titanium White	4-42 months	$E = 860^{\alpha}$	21°C, 55% RH, 0.002 s^{-1}	[22]
Liquitex, Titanium White	4-42 months	$E = 1850^{\alpha}$	21°C, 20% RH, 0.002 s^{-1}	[22]
Liquitex, Titanium White	4-42 months	$E = 2540^{\alpha}$	10°C, 55% RH, 0.002 s^{-1}	[22]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden, Titanium White	4-42 months	E = 380^{α}	21°C, 55% RH, 0.002 s^{-1}	[22]
Golden, Titanium White	4-42 months	E = 740^{α}	21°C, 20% RH, 0.002 s^{-1}	[22]
Golden, Titanium White	4-42 months	E = 1570^{α}	10°C, 55% RH, 0.002 s^{-1}	[22]
Winsor & Newton, Titanium White	4-42 months	E = 350^{α}	21°C, 55% RH, 0.002 s^{-1}	[22]
Winsor & Newton, Titanium White	4-42 months	E = 630^{α}	21°C, 20% RH, 0.002 s^{-1}	[22]
Winsor & Newton, Titanium White	4-42 months	E = 1680^{α}	10°C, 55% RH, 0.002 s^{-1}	[22]
Talens, Titanium White	4-42 months	E = 560^{α}	21°C, 55% RH, 0.002 s^{-1}	[22]
Talens, Titanium White	4-42 months	E = 1180^{α}	21°C, 20% RH, 0.002 s^{-1}	[22]
Talens, Titanium White	4-42 months	E = 1580^{α}	10°C, 55% RH, 0.002 s^{-1}	[22]
Golden Gesso	7 months	E = 4590	−10°C, 55% RH, 0.002 s^{-1}	[8]
Golden Gesso	7 months	E = 2980	0°C, 60% RH, 0.002 s^{-1}	[8]
Golden Gesso	7 months	E = 2085	10°C, 57% RH, 0.002 s^{-1}	[8]
Golden Gesso	7 months	E = 390	20°C, 54% RH, 0.002 s^{-1}	[8]
Liquitex Gesso	7 months	E = 7430	−10°C, 55% RH, 0.002 s^{-1}	[8]
Liquitex Gesso	7 months	E = 3400	0°C, 60% RH, 0.002 s^{-1}	[8]
Liquitex Gesso	7 months	E = 2810	10°C, 57% RH, 0.002 s^{-1}	[8]
Liquitex Gesso	7 months	E = 350	20°C, 54% RH, 0.002 s^{-1}	[8]
Winsor & Newton Gesso	7 months	E = 6570	−10°C, 55% RH, 0.002 s^{-1}	[8]
Winsor & Newton Gesso	7 months	E = 3890	0°C, 60% RH, 0.002 s^{-1}	[8]
Winsor & Newton Gesso	7 months	E = 3240	10°C, 57% RH, 0.002 s^{-1}	[8]
Winsor & Newton Gesso	7 months	E = 451	20°C, 54% RH, 0.002 s^{-1}	[8]
Winsor & Newton Galeria	7 months	E = 5710	−10°C, 55% RH, 0.002 s^{-1}	[8]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Winsor & Newton Galeria	7 months	E = 4180	0°C, 60% RH, 0.002 s^{-1}	[8]
Winsor & Newton Galeria	7 months	E = 1930	10°C, 57% RH, 0.002 s^{-1}	[8]
Winsor & Newton Galeria	7 months	E = 366	20°C, 54% RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 3320	−10°C, 55% RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 1760	0°C, 60% RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 710	10°C, 57% RH, 0.002 s^{-1}	[8]
Roberson Primer	7 months	E = 120	20°C, 54% RH, 0.002 s^{-1}	[8]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 1850^{\alpha}$	−10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 1430^{\alpha}$	0°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 760^{\alpha}$	10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 160^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 18^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 1600^{\alpha}$	−10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 1275^{\alpha}$	0°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 415^{\alpha}$	10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 50^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 5^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 1320^{\alpha}$	$-10°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 725^{\alpha}$	$0°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 200^{\alpha}$	$10°C$, 50% RH, 0.0002s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 14^{\alpha}$	$20°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 3^{\alpha}$	$30°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 950^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 370^{\alpha}$	$0°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 60^{\alpha}$	$10°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 4^{\alpha}$	$20°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 2^{\alpha}$	$30°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 2530^{\alpha}$	$-10°C$, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 2090^{\alpha}$	$-10°C$, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 1860^{\alpha}$	$0°C$, 50% RH, 0.02s^{-1}, E_s at 0.5% strain	[23]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 1700^{\alpha}$	$-10°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 1440^{\alpha}$	$0°C$, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 1275^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 1175^{\alpha}$	$10°C$, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 965^{\alpha}$	$0°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 720^{\alpha}$	$10°C$, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 595^{\alpha}$	$0°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 340^{\alpha}$	$10°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 115^{\alpha}$	$10°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 47^{\alpha}$	$30°C$, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 34^{\alpha}$	$20°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 15^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 11^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 7^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 4^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 3590^{\alpha}$	−10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 2980^{\alpha}$	−10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 2590^{\alpha}$	0°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 2410^{\alpha}$	−10°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 1865^{\alpha}$	0°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 1850^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 1710^{\alpha}$	10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 1240^{\alpha}$	0°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 950^{\alpha}$	10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 720^{\alpha}$	0°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 520^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 440^{\alpha}$	10°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 210^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 150^{\alpha}$	10°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 115^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 77^{\alpha}$	20°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 48^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 32^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 23^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 15^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 4770^{\alpha}$	−10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 3920^{\alpha}$	−10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 3430^{\alpha}$	0°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 3380^{\alpha}$	−10°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 2830^{\alpha}$	0°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 2670^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 2350^{\alpha}$	10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 1770^{\alpha}$	0°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 1460^{\alpha}$	10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 1010^{\alpha}$	0°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 830^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 790^{\alpha}$	10°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 380^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 320^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 220^{\alpha}$	20°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 180^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 140^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 115^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 90^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 460^{\alpha}$	20°C, 5% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 210^{\alpha}$	20°C, 5% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 74^{\alpha}$	30°C, 5% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 23^{\alpha}$	30°C, 5% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 19^{\alpha}$	20°C, 5% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 5^{\alpha}$	30°C, 5% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 2390^{\alpha}$	20°C, 5% RH, 0.02 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 1240^{\alpha}$	20°C, 5% RH, 0.002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 840^{\alpha}$	20°C, 5% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 730^{\alpha}$	20°C, 5% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 460^{\alpha}$	30°C, 5% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 410^{\alpha}$	30°C, 5% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[23]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 4780^{\alpha}$	−10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 3930^{\alpha}$	−10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 3410^{\alpha}$	$-10°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 2690^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 3460^{\alpha}$	$0°C$, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 2830^{\alpha}$	$0°C$, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 1780^{\alpha}$	$0°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 1020^{\alpha}$	$0°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 2350^{\alpha}$	$10°C$, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 1460^{\alpha}$	$10°C$, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 790^{\alpha}$	$10°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 810^{\alpha}$	$20°C$, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 370^{\alpha}$	$20°C$, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 210^{\alpha}$	$20°C$, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 130^{\alpha}$	$20°C$, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 320^{\alpha}$	$30°C$, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 170^{\alpha}$	$30°C$, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 110^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E_s = 90^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 3410^{\alpha}$	−10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 2880^{\alpha}$	−10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 2580^{\alpha}$	0°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 2280^{\alpha}$	−10°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 1960^{\alpha}$	0°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 1860^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 1510^{\alpha}$	10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 1270^{\alpha}$	0°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 820^{\alpha}$	10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 790^{\alpha}$	0°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 440^{\alpha}$	10°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 450^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 160^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 150^{\alpha}$	10°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 76^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 49^{\alpha}$	20°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 28^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 20^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 13^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, kaolin (0.15 v/v)	1 year	$E_s = 9^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 1470^{\alpha}$	−10°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 1270^{\alpha}$	0°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 950^{\alpha}$	0°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 680^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 660^{\alpha}$	0°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 350^{\alpha}$	10°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 130^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 32^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 14^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 10^{\alpha}$	20°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 4^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 3^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, no pigment	1 year	$E_s = 2^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 300^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 110^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 45^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 31^{\alpha}$	20°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 14^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 10^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 5^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E_s = 3^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 700^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 310^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 180^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 120^{\alpha}$	20°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 76^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 60^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 41^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E_s = 25^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 1410^{\alpha}$	20°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 890^{\alpha}$	20°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 620^{\alpha}$	30°C, 50% RH, 0.02 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 510^{\alpha}$	20°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 350^{\alpha}$	30°C, 50% RH, 0.002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 320^{\alpha}$	20°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 250^{\alpha}$	30°C, 50% RH, 0.0002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E_s = 190^{\alpha}$	30°C, 50% RH, 0.00002 s^{-1}, E_s at 0.5% strain, immersed in water 24 hours	[24]
Golden Artist Colors PBA-MMA, Titanium white (0.06 v/v)	1 year	$E^* = 1650^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, kaolin (0.07 v/v)	1 year	$E^* = 1950^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.08 v/v)	1 year	$E^* = 1980^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.08 v/v)	1 year	$E^* = 1710^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E^* = 1920^{\alpha}$	−10°C, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.13 v/v)	1 year	$E^* = 1960^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, kaolin (0.14 v/v)	1 year	$E^* = 2450^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, kaolin (0.14 v/v)	1 year	$E^* = 2660^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.16 v/v)	1 year	$E^* = 2080^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.16 v/v)	1 year	$E^* = 2390^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.20 v/v)	1 year	$E^* = 2220^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.20 v/v)	1 year	$E^* = 2300^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, kaolin (0.22 v/v)	1 year	$E^* = 3100^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, kaolin (0.22 v/v)	1 year	$E^* = 3520^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.24 v/v)	1 year	$E^* = 2440^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.24 v/v)	1 year	$E^* = 3030^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E^* = 2670^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors PBA-MMA, Titanium white (0.25 v/v)	1 year	$E^* = 2760^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, kaolin (0.28 v/v)	1 year	$E^* = 4050^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.30 v/v)	1 year	$E^* = 2990^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.30 v/v)	1 year	$E^* = 3850^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.32 v/v)	1 year	$E^* = 3310^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.32 v/v)	1 year	$E^* = 3430^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.38 v/v)	1 year	$E^* = 3590^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, $CaCO_3$ (0.38 v/v)	1 year	$E^* = 4500^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E^* = 3530^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested perpendicular to casting direction	[25]
Golden Artist Colors PBA-MMA, Titanium white (0.38 v/v)	1 year	$E^* = 3790^{\alpha}$	$-10°C$, 50% RH, 0.00002 s^{-1}, tested in casting direction	[25]
Liquitex Heavy Body, Burnt Umber	1-2 years	$E_s = 34^{\alpha}$	23°C, 55 % RH, E_s at 1% strain	[26]
Liquitex Heavy Body, Burnt Umber	1-2 years	$E_s = 250^{\alpha}$	23°C, 55 % RH, Immersed in Ethanol 20 min, Dried 1 month, E_s at 1% strain	[26]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Liquitex Heavy Body, Burnt Umber	1-2 years	$E_s = 330^{\alpha}$	23°C, 55 % RH, Immersed in Acetone 12 hours, Dried 1 month, E_s at 1% strain	[26]
Liquitex Heavy Body, Burnt Umber	1-2 years	$E_s = 110^{\alpha}$	23°C, 55 % RH, Immersed in water 20 min, Dried 1 month, E_s at 1% strain	[26]
Liquitex Heavy Body, Burnt Umber	1-2 years	$E_s = 250^{\alpha}$	23°C, 55 % RH, Immersed in Ethanol 12 hours, Dried 1 month, E_s at 1% strain	[26]
Liquitex Heavy Body, Burnt Umber	1-2 years	$E_s = 250^{\alpha}$	23°C, 55 % RH, Immersed in water 12 hours, Dried 1 month, E_s at 1% strain	[26]
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 4^{\alpha}$	23°C, 55 % RH, E_s at 5% strain	[26]
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 4^{\alpha}$	23°C, 55 % RH, Immersed in water 10 min, Dried 1 month, E_s at 5% strain	[26]
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 13^{\alpha}$	23°C, 55 % RH, Immersed in water 20 min, Dried 1 month, E_s at 5% strain	[26]
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 25^{\alpha}$	23°C, 55 % RH,Immersed in water 12 hours, Dried 1 month, E_s at 5% strain	[26]
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 34^{\alpha}$	23°C, 55 % RH, Immersed in ethanol 20 min, Dried 1 month, E_s at 5% strain	[26]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 79^{\alpha}$	23°C, 55 % RH, Immersed in ethanol 12 hours, Dried 1 month, E_s at 5% strain	[26]
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 96^{\alpha}$	23°C, 55 % RH, Immersed in acetone 20 min, Dried 1 month, E_s at 5% strain	[26]
Liquitex Heavy Body, Phthalocyanine Blue	1-2 years	$E_s = 170^{\alpha}$	23°C, 55 % RH, Immersed in acetone 12 hours, Dried 1 month, E_s at 3% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 23^{\alpha}$	23°C, 55 % RH, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 30^{\alpha}$	23°C, 55 % RH, Immersed in water 5 min, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 42^{\alpha}$	23°C, 55 % RH, Immersed in water 20 min, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 23^{\alpha}$	23°C, 55 % RH, Swabbed with water 5 min, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 30^{\alpha}$	23°C, 55 % RH, Swabbed with water 20 min, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 23^{\alpha}$	23°C, 55 % RH, Immersed in ligroin for 30 min, Dried 1 month, E_s at 5% strain	[26]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Talens, Raw Sienna	1-2 years	$E_s = 23^{\alpha}$	23°C, 55 % RH, Immersed in mineral spirits 30 min, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 23^{\alpha}$	23°C, 55 % RH, Immersed in mineral spirits/water emulsion 30 min, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 30^{\alpha}$	23°C, 55 % RH, Exposed to Vanzan gel for 30 min, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 30^{\alpha}$	23°C, 55 % RH, Exposed to Klucel Gel for 30 min, Swabbed with water 30 sec, Dried 1 month, E_s at 5% strain	[26]
Talens, Raw Sienna	1-2 years	$E_s = 40^{\alpha}$	23°C, 55 % RH, Swabbed with water for 30 min, Dried 1 month, E_s at 5% strain	[26]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 4800^{\alpha}$	-10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 3600^{\alpha}$	-10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 5240^{\alpha}$	0°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 4000^{\alpha}$	0°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 2580^{\alpha}$	0°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 1510^{\alpha}$	0°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 3460^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 2030^{\alpha}$	10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 980^{\alpha}$	10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 430^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 1000^{\alpha}$	20°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 440^{\alpha}$	20°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 170^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 80^{\alpha}$	20°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 360^{\alpha}$	30°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 140^{\alpha}$	30°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 70^{\alpha}$	30°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex ground (PBA-MMA), $TiO_2/CaCO_3$/talc	1 year	$E_s = 40^{\alpha}$	30°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 4870^{\alpha}$	−10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 4400^{\alpha}$	−10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors, Raw Umber	1 year	$E_s = 3350^{\alpha}$	$-10°C$, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 2860^{\alpha}$	$-10°C$, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 4160^{\alpha}$	$0°C$, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 3310^{\alpha}$	$0°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 2520^{\alpha}$	$0°C$, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 2780^{\alpha}$	$10°C$, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 1940^{\alpha}$	$10°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 1200^{\alpha}$	$10°C$, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 600^{\alpha}$	$10°C$, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 1110^{\alpha}$	$20°C$, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 600^{\alpha}$	$20°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 300^{\alpha}$	$20°C$, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 130^{\alpha}$	$20°C$, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 380^{\alpha}$	$30°C$, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 170^{\alpha}$	$30°C$, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Golden Artist Colors, Raw Umber	1 year	$E_s = 85^{\alpha}$	30°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Golden Artist Colors, Raw Umber	1 year	$E_s = 55^{\alpha}$	30°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 3880^{\alpha}$	−10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 3600^{\alpha}$	−10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 3270^{\alpha}$	−10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 2520^{\alpha}$	−10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 3380^{\alpha}$	0°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 2780^{\alpha}$	0°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 2170^{\alpha}$	0°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 1270^{\alpha}$	0°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 2380^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 1440^{\alpha}$	10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 660^{\alpha}$	10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 260^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 540^{\alpha}$	20°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Speedball, Raw Umber	27 years	$E_s = 190^{\alpha}$	20°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 82^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 45^{\alpha}$	20°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 110^{\alpha}$	30°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 59^{\alpha}$	30°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 34^{\alpha}$	30°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Speedball, Raw Umber	27 years	$E_s = 23^{\alpha}$	30°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 3530^{\alpha}$	−10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 2800^{\alpha}$	−10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 3590^{\alpha}$	0°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 3210^{\alpha}$	0°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 2650^{\alpha}$	0°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 1900^{\alpha}$	0°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 2700^{\alpha}$	10°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 1820^{\alpha}$	10°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]

Sample Composition	Aging Time	Mechanical Property (MPa)	Testing Conditions	References
Liquitex, Burnt Umber	27 years	$E_s = 1270^{\alpha}$	10°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 630^{\alpha}$	10°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 960^{\alpha}$	20°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 460^{\alpha}$	20°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 280^{\alpha}$	20°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 140^{\alpha}$	20°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 340^{\alpha}$	30°C, 50 % RH, 0.02 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 180^{\alpha}$	30°C, 50 % RH, 0.002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 120^{\alpha}$	30°C, 50 % RH, 0.0002 s^{-1}, E_s at 0.5% strain	[27]
Liquitex, Burnt Umber	27 years	$E_s = 100^{\alpha}$	30°C, 50 % RH, 0.00002 s^{-1}, E_s at 0.5% strain	[27]

Table 4: Summary of tensile test data for grounds, paint consolidation materials, and painting supports, including composition, aging time of the sample, testing conditions (temperature, RH, strain rate), mechanical property (Youngs modulus (E), equilibrium modulus (E_{eq}), secant modulus (E_s), tensile strength (σ_T), or yield stress (σ_Y), reference, *etc.* *Strain rates from this reference ranged from 0.001-0.01 s^{-1}. $^{\alpha}$Indicates a value estimated from a plot in the paper, rather than a tabulated value.

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Björn skin glue, Calcium Carbonate, 75% PVC	1 day	$\sigma_T = 2.1^{\alpha}$	22°C, 12% RH	[28]
Björn skin glue, Calcium Carbonate, 75% PVC	1 day	$\sigma_T = 1.8^{\alpha}$	22°C, 53% RH	[28]
Björn skin glue, Calcium Carbonate, 75% PVC	1 day	$\sigma_T = 0.28^{\alpha}$	22°C, 81% RH	[28]
Björn skin glue, Calcium Carbonate, 75% PVC	1 day	$\sigma_T = 0^{\alpha}$	22°C, 90% RH	[28]
Björn skin glue, Calcium Carbonate, 68% PVC	1 day	$\sigma_T = 4.1^{\alpha}$	22°C, 12% RH	[28]
Björn skin glue, Calcium Carbonate, 68% PVC	1 day	$\sigma_T = 3.4^{\alpha}$	22°C, 67% RH	[28]
Björn skin glue, Calcium Carbonate, 68% PVC	1 day	$\sigma_T = 0.98^{\alpha}$	22°C, 87% RH	[28]
Björn skin glue, Calcium Carbonate, 68% PVC	1 day	$\sigma_T = 0^{\alpha}$	22°C, 93% RH	[28]
Björn skin glue, Calcium Carbonate	1 day	$\sigma_T = 5.4^{\alpha}$	22°C, 15.6% RH	[28]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Björn skin glue, Calcium Carbonate	1 day	$\sigma_T = 5.1^{\alpha}$	22°C, 48.7% RH	[28]
Björn skin glue, Calcium Carbonate	1 day	$\sigma_T = 0.72^{\alpha}$	22°C, 84.1% RH	[28]
Björn skin glue, Calcium Carbonate & Molasses (17%)	1 day	$\sigma_T = 5.7^{\alpha}$	22°C, 17% RH	[28]
Björn skin glue, Calcium Carbonate & Molasses (17%)	1 day	$\sigma_T = 3.3^{\alpha}$	22°C, 55.1% RH	[28]
Björn skin glue, Calcium Carbonate & Molasses (17%)	1 day	$\sigma_T = 0.33^{\alpha}$	22°C, 84.4% RH	[28]
Colletta filler	1 day	$\sigma_T = 3.6^{\alpha}$	22°C, 11.2% RH	[28]
Colletta filler	1 day	$\sigma_T = 2.6^{\alpha}$	22°C, 48% RH	[28]
Colletta filler	1 day	$\sigma_T = 0.93^{\alpha}$	22°C, 80.7% RH	[28]
Colletta filler	1 day	$\sigma_T = 0.14^{\alpha}$	22°C, 96% RH	[28]
Mowiol #9 filler	1 day	$\sigma_T = 2.7^{\alpha}$	22°C, 48% RH	[28]
Modostuc	1 day	$\sigma_T = 0.24^{\alpha}$	22°C, 48% RH	[28]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 7020^{α}	22°C, 51% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 7000^{α}	22°C, 54% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 6890^{α}	22°C, 60% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 6660^{α}	22°C, 65% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 6140^{α}	22°C, 70% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 4890^{α}	22°C, 75% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 2930^{α}	22°C, 79% RH, $3.3 * 10^{-5}$ s^{-1}	[29]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 1890^{α}	22°C, 84% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Gesso: Rabbit Skin Glue, Ground Chalk (92% PVC)	-	E = 1260^{α}	22°C, 88% RH, $3.3 * 10^{-5}$ s^{-1}	[29]
Linen fabric, 262 g/m^2	-	$E = 324.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut in the weft direction	[30]
Linen fabric, 262 g/m^2	-	$E = 146.6$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $15°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2	-	$E = 59.8$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $30°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2	-	$E = 76.6$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $45°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2	-	$E = 56.8$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $60°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2	-	$E = 150.4$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $75°$ angle to the weft direction	[30]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Linen fabric, 262 $\mathrm{g/m^2}$	-	$\mathrm{E} = 171.7$	Tested at ambient conditions, $1.67\ \mathrm{s^{-1}}$, sample cut in the warp direction	[30]
Linen fabric, 262 $\mathrm{g/m^2}$, one layer animal skin glue size, one layer ground (champagne chalk, $\mathrm{TiO_2}$)	-	$\mathrm{E} = 5098.2$	Tested at ambient conditions, $1.67\ \mathrm{s^{-1}}$, sample cut in the weft direction	[30]
Linen fabric, 262 $\mathrm{g/m^2}$, one layer animal skin glue size, one layer ground (champagne chalk, $\mathrm{TiO_2}$)	-	$\mathrm{E} = 4421.6$	Tested at ambient conditions, $1.67\ \mathrm{s^{-1}}$, sample cut at a 15° angle to the weft direction	[30]
Linen fabric, 262 $\mathrm{g/m^2}$, one layer animal skin glue size, one layer ground (champagne chalk, $\mathrm{TiO_2}$)	-	$\mathrm{E} = 3128.5$	Tested at ambient conditions, $1.67\ \mathrm{s^{-1}}$, sample cut at a 30° angle to the weft direction	[30]
Linen fabric, 262 $\mathrm{g/m^2}$, one layer animal skin glue size, one layer ground (champagne chalk, $\mathrm{TiO_2}$)	-	$\mathrm{E} = 4365.9$	Tested at ambient conditions, $1.67\ \mathrm{s^{-1}}$, sample cut at a 45° angle to the weft direction	[30]
Linen fabric, 262 $\mathrm{g/m^2}$, one layer animal skin glue size, one layer ground (champagne chalk, $\mathrm{TiO_2}$)	-	$\mathrm{E} = 3212.7$	Tested at ambient conditions, $1.67\ \mathrm{s^{-1}}$, sample cut at a 60° angle to the weft direction	[30]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Linen fabric, 262 g/m^2, one layer animal skin glue size, one layer ground (champagne chalk, TiO_2)	-	$E = 3800.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $75°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, one layer ground (champagne chalk, TiO_2)	-	$E = 4058.7$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut in the warp direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, two layers ground (champagne chalk, TiO_2)	-	$E = 6116.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut in the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, two layers ground (champagne chalk, TiO_2)	-	$E = 5344.6$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $15°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, two layers ground (champagne chalk, TiO_2)	-	$E = 5378.5$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $30°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, two layers ground (champagne chalk, TiO_2)	-	$E = 5211.3$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $45°$ angle to the weft direction	[30]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Linen fabric, 262 g/m^2, one layer animal skin glue size, two layers ground (champagne chalk, TiO_2)	-	$E = 4490.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $60°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, two layers ground (champagne chalk, TiO_2)	-	$E = 4508.5$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $75°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, two layers ground (champagne chalk, TiO_2)	-	$E = 4911.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut in the warp direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, three layers ground (champagne chalk, TiO_2)	-	$E = 7279.8$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut in the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, three layers ground (champagne chalk, TiO_2)	-	$E = 7059.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $15°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, three layers ground (champagne chalk, TiO_2)	-	$E = 6607.5$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $30°$ angle to the weft direction	[30]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Linen fabric, 262 g/m^2, one layer animal skin glue size, three layers ground (champagne chalk, TiO_2)	-	$E = 5986.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $45°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, three layers ground (champagne chalk, TiO_2)	-	$E = 5421.1$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $60°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, three layers ground (champagne chalk, TiO_2)	-	$E = 5646.9$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut at a $75°$ angle to the weft direction	[30]
Linen fabric, 262 g/m^2, one layer animal skin glue size, three layers ground (champagne chalk, TiO_2)	-	$E = 6001.2$	Tested at ambient conditions, $1.67\ s^{-1}$, sample cut in the warp direction	[30]
Becker's Latexspackle	-	$E = 416.3$	22°C, 25% RH, $1.7\ s^{-1}$	[31]
Becker's Latexspackle	-	$E = 205$	22°C, 50% RH, $1.7\ s^{-1}$	[31]
Becker's Latexspackle	-	$E = 71.7$	22°C, 75% RH, $1.7\ s^{-1}$	[31]
Flugger Spackle	-	$E = 388$	22°C, 25% RH, $1.7\ s^{-1}$	[31]
Flugger Spackle	-	$E = 244.4$	22°C, 50% RH, $1.7\ s^{-1}$	[31]
Flugger Spackle	-	$E = 35.7$	22°C, 75% RH, $1.7\ s^{-1}$	[31]
Golden Acrylic Gesso	-	$E = 303.3$	22°C, 25% RH, $10\ s^{-1}$	[31]
Golden Acrylic Gesso	-	$E = 93.9$	22°C, 50% RH, $10\ s^{-1}$	[31]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Golden Acrylic Gesso	-	$E = 42.9$	$22°C$, 75% RH, $10\ s^{-1}$	[31]
Liquitex Acrylic Gesso	-	$E = 412.2$	$22°C$, 25% RH, $10\ s^{-1}$	[31]
Liquitex Acrylic Gesso	-	$E = 57.3$	$22°C$, 50% RH, $10\ s^{-1}$	[31]
Liquitex Acrylic Gesso	-	$E = 50.1$	$22°C$, 75% RH, $10\ s^{-1}$	[31]
Rabbit Skin Glue, Calcium Carbonate	-	$E = 1511$	$22°C$, 25% RH, $1.7\ s^{-1}$	[31]
Rabbit Skin Glue, Calcium Carbonate	-	$E = 1730$	$22°C$, 50% RH, $1.7\ s^{-1}$	[31]
Rabbit Skin Glue, Calcium Carbonate	-	$E = 1995$	$22°C$, 75% RH, $1.7\ s^{-1}$	[31]
Modern Cotton canvas, 374 g/m^2	3 days degraded	E = 1.1	$25°C$, 20% RH, $0.4\ N/min$; Artificial degradation using HCl and H_2O_2 solutions for 3 days at $40°C$, samples tested along the warp directions	[32]
Modern Cotton canvas, 374 g/m^2; Nanofibrillated cellulose in water	3 days degraded	E = 23.1	$25°C$, 20% RH, $0.4\ N/min$; Artificial degradation using HCl and H_2O_2 solutions for 3 days at $40°C$, 4 layers of consolidant brush applied, samples tested along the warp directions	[32]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Modern Cotton canvas, 374 $\mathrm{g/m^2}$; Nanofibrillated cellulose in water	3 days degraded	E = 10.2	$25°\mathrm{C}$, 20% RH, $0.4\ \mathrm{N/min}$; Artificial degradation using HCl and H_2O_2 solutions for 3 days at $40°\mathrm{C}$, 4 layers of consolidant brush applied, samples tested along the warp directions	[32]
Modern Cotton canvas, 374 $\mathrm{g/m^2}$; Animal glue in water	3 days degraded	E = 14.3	$25°\mathrm{C}$, 20% RH, $0.4\ \mathrm{N/min}$; Artificial degradation using HCl and H_2O_2 solutions for 3 days at $40°\mathrm{C}$, 2 layers of consolidant brush applied, samples tested along the warp directions	[32]
Modern Cotton canvas, 374 $\mathrm{g/m^2}$; Animal Glue in water	3 days degraded	E = 4.4	$25°\mathrm{C}$, 20% RH, $0.4\ \mathrm{N/min}$; Artificial degradation using HCl and H_2O_2 solutions for 3 days at $40°\mathrm{C}$, 2 layers of consolidant brush applied, samples tested along the warp directions	[32]

Sample Composition	Aging Time	Mechanical Property	Testing Conditions	Reference
Modern Cotton canvas, 374 g/m^2; Beva 371 in white spirits	3 days degraded	E = 3.8	25°C, 20% RH, 0.4 N/min; Artificial degradation using HCl and H_2O_2 solutions for 3 days at 40°C, 4 layers of consolidant brush applied, samples tested along the warp directions	[32]
Modern Cotton canvas, 374 g/m^2; Beva 371 in white spirits	3 days degraded	E = 3.2	25°C, 20% RH, 0.4 N/min; Artificial degradation using HCl and H_2O_2 solutions for 3 days at 40°C, 4 layers of consolidant brush applied, samples tested along the warp directions	[32]

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