

Future Labs, LLC Testing Fees 2015

124 Lone Wolf Drive; Madison, MS 39110

Tel – 601-855-7407

For quotes on other testing, contact David at david@FutureLabsLLC.com

Tests Performed on Road Marking Thermoplastic

AASHTO M-249 / T-250 \$ 550
(Binder/Bead Content, Pigment, Color, Soft. Point, Impact Resis., Low Temp., Specific Gravity, Dry Time, 4hr. Flowability&Extended Flowability) (Bond Strength, Hardness and Flash Point are part of T-250 and not M-249 and for an extra fee of \$175)

NCDOT Spec. 1087 \$ 725
(Binder/Bead Content, Pigment, Color, Flash Point, Bond Strength, Soft. Point, Low Temp., Specific Gravity, Indentation Resis., Drying Time, Bead Gradation, Roundness, Pb & As Content)

MaHD Spec. M7.01.03 & 4 \$ 475
(Binder/Bead Content, Pigment or Pb/Cr, Color, Bond Strength, Soft. Point, Impact Resis.(Izod), Low Temp., Specific Gravity, Dry Time, 4hr. Flowability&Extended Flowability)

FDoT Spec. 971-5 \$ 1215
(Binder/Bead Content, Pigment or Pb Content, Color, Flash Point, Soft. Point, Impact Resis.(Gardner), Low Temp., Specific Gravity, Indentation Resis., Water Absorb., FTIR Scan, TCLP and Pb& As content by EPA 3052 & 6010B.)

Caltran Spec \$ 740
(Binder/Bead Content, Pigment& Pb / Cr, Color, Bond Strength, Soft. Point, Hardness, Bead Blast Abrasion, Specific Gravity, Thermoset Viscosity)(If Color Stability by ASTM G155 required- \$2 to \$5 per hr)

TXDoT Spec. 8220 \$ 540
(Binder/Bead Content, Pigment, Color, Flash Point, Bond Strength, Soft. Point, Brookfield Viscosity)

NMDOT \$ 750
(Binder/Bead Content, Pigment, Water Absorption, Specific Gravity, Accel. Weathering, Color Stability, AASHTO M-247 Type I)

NYCityDOT \$ 725
(AASHTO M-249 on granular sample + Binder/Bead Content and Pigment on block sample)

SCDOT \$ 550
(AASHTO M-249)

AlabamaDOT \$ 425
(Binder/Bead Content, Bead Gradation, Softening Point, Flowability, Specific Gravity, Heavy Metal Content)

WADOT \$ 660
(AASHTO M 249, Resin Detection, Retroreflection, Skid Resistance)

GADOT \$ 610
(AASHTO M-249, Hardness, Reheating)

Tests Performed on Road Marking Thermoplastic

Gallon Sample (Melting, Mixing, And 4 hours at 425°F) \$ 40

Specific Gravity \$ 50

Binder Content \$ 50

Glass Bead Content \$ 60

Pigment Content \$ 125

Daylight Reflectance \$ 15

Color Match and Yellowness Index \$ 25

Dry Time/Curing Time \$ 25

Cracking Resistance at Low Temp. \$ 25

Impact Resistance (non-notch Izod) \$ 75

Softening Point \$ 50

Flowability \$ 25

Extended Flowability \$ 25

Inert Filler Solubility \$ 25

Water Absorption \$ 25

Flash Point \$ 75

Tensile / Bond Strength \$ 155

Brookfield Viscosity (@ 425°F) \$ 155

Beaded Color (ASTM D6628) \$ 75

QUV (ASTM G154) \$ call

Abrasion (Blasting) Test \$125 - 175

Hardness Test \$ 50

Skid Resistance \$ 75

Heavy Metal Testing of Thermo \$ 225

or Intermix Glass Beads

(Pb, As, Cd, Cr, Hg, Ba, Se, Ag, Sb)

Testing of Glass Beads under AASHTO M-247

Gradation ASTM D1214 or by PSA \$ 125

Roundness ASTM D1155 or by PSA \$ 125

Refractive Index (1.2- 1.7) \$ 50

Flow Characteristics \$ 75

Moisture Proof Coating \$ 50

Flotation Test \$ 50

Adhesion Promoting Coating \$ 75

Other Tests Performed

Chemical Resistance \$ 30
(per chemical)

Water Resistance (Soxhlet) \$ 225

High Refractive Index (1.7- 2.0) \$ 75

Crushing Resistance \$ 245

Elemental Analysis (all elements) \$ 200

Heavy Metal and other content by XRF

TCLP (EPA 1311 & 6010) \$ 300

SPLP (EPA 1312 & 6010) \$ 585

Fed. Std. TT-B-1325D \$ 740
per sample (for Glass Beads)

North Carolina Drop-on Bead Testing Spec. 1087 per sample \$ 375

Individual Test Prices

Composition \$ 150

Appearance \$ 25

Roundness \$ 125

Refraction Index \$ 50

Specific Gravity \$ 50

Gradation \$ 125

Acid Resistance \$ 30

CaCl₂ Resistance \$ 30

Na₂S Resistance \$ 30

Water Resistance \$ 125

Water Based Traffic Paint Tests

*Fed. Spec. TT-P-1952E for Water-borne
Quantitative (Table I)* **\$ 2315**

Individual Test Prices

Color	ASTM D6628	\$ 75
Total Solids,	ASTM D2369	\$ 75
Pigment by Wt.	ASTM D3723	\$ 75
Vehicle Solids % on Vehicle		\$ 75
TiO2 Content,	ASTM D476	\$ 125
VOC,	EPA 24 / ASTM D3960	\$ 1000
Density (Wt/gal.)	ASTM D1475	\$ 65
Storner viscosity,	ASTM D562	\$ 145
Fineness of Grind,	ASTM D1210	\$ 50
Dry Opacity, Fed. Std. 141a, 4121		\$ 50
Bleed Ratio, Fed. Std. TT-P-85D		\$ 50
Flexibility, Fed. Spec. TT-P-115D		\$ 75
Abrasion Res.	ASTM D4060	\$ 225
Infrared Analysis per sample		\$ 250
pH		\$ 30
Dry Through, at 90% R H		\$ 75

*Fed. Spec. TT-P-1952E Paint, Traffic
And Airfield Marking (Water-borne)
(Table II)* **\$ 3795**

Heavy (8) Metal Testing	\$ 225
Condition in container	\$ 25
Appearance	\$ 25
Accelerated Package Stability (2 + week test)	\$ 75
Flexibility ASTM D522	\$ 75
Water resistance	\$ 50
Freeze-thaw stability ASTM D1026	\$ 145
Color before and after QUV Directional reflectance Color Yellow color match	\$ 75
Heat-shear stability	\$ 145
Skinning	\$ 50
Dry-through (early washout)	\$ 75
Abrasion Resistance	\$ 245
Accelerated Weathering (300 hours)	\$ call
Scrub resistance (after weathering)	\$ 290
VOC, EPA 24 / ASTM D3960	\$ 1000
Consistency ASTM D562	\$ 75
Solids by Volume	\$ 125
Dry Opacity ASTM D4121	\$ 50
Dry Time (no pick up)	\$ 50
Fineness of Dispersion	\$ 50
Bleeding Ratio ASTM D969	\$ 50
Pigment (% by weight)	\$ 145
Resin verification by FTIR	\$ 250

Plural Component Traffic Paint Tests

Epoxide Value (WPE)	\$ 250
Amine Value	\$ 250
Pigment by Wt.	\$ 75
Color, Yellowness (per spec.)	\$ 35
Hardness, Type D	\$ 50
Abrasion Resistance (Taber)	\$ 225
Adhesion to concrete	\$ 145
Tensile Strength / Elongation	\$ 150
Comp. Strength	\$ 145
No Track Time	\$ 50
Water Absorption	\$ 25
Storner Viscosity	\$ 145
QUV	\$ call
Gel Time	\$ 45
Brookfield viscosity	\$ 145
Brookfield Thermosel viscosity	\$ 200
Basic VOC ASTM D3960	\$ 75
Dry Opacity ASTM D4121	\$ 50
Bleed Ratio ASTM D969	\$ 50
Flexibility	\$ 75
Elemental or Heavy Metal, or XRF	\$ 225

High Friction Surface Binder **\$ 875**

Viscosity, Gel Time, Ultimate Tensile Strength, Elongation at Break, Durometer Hardness, M235 Comp. Strength, C579 Comp. Strength, Cure Rate, Water Absorption, Adhesive Strength

Future Labs, LLC Testing Fees 2015
124 Lone Wolf Drive; Madison, MS 39110
Tel – 601-855-7407

For quotes on other testing, contact David at
david@FutureLabsLLC.com

Future Labs, LLC Testing Fees 2015

124 Lone Wolf Drive; Madison, MS 39110

Tel – 601-855-7407

For quotes on other testing, contact David at
david@FutureLabsLLC.com

Raise Pavement Marker Tests per ASTM D4280

Coefficient of Luminous Intensity	
(1 lens/0°&20°)	\$ 450
(2 nd lens)	\$ 300
Retroreflectivity after Abrasion	\$ 400
Longitudinal Flexural Strength	\$ 240
Compression Strength	\$ 200
Color	\$ 145
Lens Impact Strength	\$ 145
Resistance to Temp. Cycling	\$ 200

Total for all tests **\$ 1780**

Additional Tests for Snowplowable RPM per ASTM D4383 (does not include the Long. Flex. Strength test)

Ramp Hardness	\$ 75
Adhesive Bond Strength	\$ 225 – 300

Preformed Retroreflective Pavement Marking (Tapes and Foils) under ASTM D4505 & D4592

Retroreflection	ASTM E1710	\$ 75
Skid Resistance	E303	\$ 75
Color, daytime& nighttime	D6628	\$ 75
Adhesion – Mtd.A (3 temps)	D1000	\$ 375
ASTM D4505 (all 4 tests)		\$ 570
ASTM D4592 (3 tests, not Skid)		\$ 495
Standard Wet Retro-	ASTM E2177	\$ 100
Continuous Wetting Retro	E2832	\$ 150
Tensile and Elongation		\$ 150
Abrasion Resistance		\$ 225
Plastic Pull Test		\$ 25

Preformed Thermoplastic (Flame Tape) Testing

Softening Point	\$ 50
Color	\$ 45
Low Temperature	\$ 50
Impact Resistance (Izod)	\$ 75
% Bead Content	\$ 75
Skid Resistance	\$ 75
Pb content	\$ 75
FTIR scan	\$ 150
TCLP testing (heavy 8)	\$ 300

Detectable Warning Surfaces

Slip Resistance – Dry or Wet	\$ 195
Abrasive Wear Index	\$ 225
Freeze / Thaw Resistance	\$ 2/hr
Adhesion / Bond Strength (pull off)	\$ 150

Please contact us if you do not see a test listed and/or need additional information.