



TAP Plastics Type A Surfacing Resin

Type • A prepromoted, medium reactive, medium viscosity, polyester for room temperature cure with MEKP catalyst adapted to comply with California's new rule 1162.

Recommended Use • A general purpose laminating resin characterized by its thorough cure and good fiberglass wet out.

Typical Inspection of Liquid Resin

Color	Motor Oil
Monomer Content, %	28 - 31
Viscosity, Brookfield, @ 77° F, cps	1000 - 1200
Thix Index, minimum	N/A
Specific Gravity, @ 77° F	1.120 - 1.150
Pounds/Gallon	9.3 - 9.6
Storage Stability @ 75° F, months	6

Typical Reactivity - 100 gram (3.53 oz) casting @ 77° F

Catalyst	1% MEKP-9%
Gel Time, minutes	30 - 35
Peak Exotherm, °F	290 - 330
Cure time from gel, minutes	10 - 15

Typical Properties of 1/8" casting, post cured (heated) 4 hours @ 150°F

Barcol Hardness (934-1)	ASTM D-2583	40 - 45
Flex Strength, psi	ASTM D-790	15,000 - 17,000
Flex Modulus, psi	ASTM D-790	540,000 - 560,000
Tensile Strength, psi	ASTM D-638	9,000 - 10,000
Elongation @ Break, %	ASTM D-638	2.45
HDT (264 psi), °F	ASTM D-648	155

Typical Properties of 3-Ply (1 1/2 oz Chopped Strand Mat) Laminate, cured 4 hours @ 150° F

Barcol Hardness (934-1)	ASTM D-2583	50 - 55
Flex Strength, psi	ASTM D-790	32,000 - 36,000
Flex Modulus, psi	ASTM D-790	1,200,000 - 1,250,000
Tensile Strength, psi	ASTM D-638	15,000 - 17,000
Elongation @ Break, %	ASTM D-638	1.75
Non-Combustibles, %	ASTM D-2584	30.50

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