



TAP Plastics Flexible Isophthalic Polyester Resin

Type • A prepromoted, isophthalic acid based, low reactivity, medium viscosity polyester resin for room temperature cure with MEKP catalyst.

Recommended Use • An extremely flexible resilient resin with improved adhesion to other materials and chemical resistance.

Typical Inspection of Liquid Resin

Color	Transparent purple
Monomer Content, %	30 - 34
Viscosity @ 77° F, cps	700 - 900
Thix Index, minimum	N/A
Specific Gravity @ 77° F	1.10 - 1.20
Pounds/Gallons	9.15 - 10.00
Storage Stability @ 77° F, months	6

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

Catalyst	1% MEKP-9%
Gel Time, minutes	11 - 15
Peak Exotherm, °F	280 - 300

Typical Physical Properties

	<i>Test Method</i>	<i>Clear Casting</i>
Shore D Hardness	ASTM D-2240	74
HDT, degrees C (F)	ASTM D-648-72	Yields
Tensile Strength, psi	ASTM D-638-80	2,000
Tensile Elongation, % @ break	ASTM D-638-80	50
Flexural Strength, psi	ASTM D-790-80	Yields
Flexural Modulus, psi x 10 ⁵	ASTM D-790-80	Yields

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