



### TAP Plastics Casting Resin

**Type** • A prepromoted, rigid, low reactivity, low viscosity water-clear casting polyester resin for room temperature cure with MEKP catalyst.

**Recommended Use** • Casting Resin is a recommended resin for decorative casting applications where extreme clarity and freedom from color in both liquid and cured stages are necessary, or for encapsulating biological and botanical specimens. Casting Resin provides resistance to thermal cracking over a wide temperature range.

#### Typical Inspection of Liquid Resin

Color	Clear
Monomer Content, %	36 - 40
Viscosity, Brookfield #LVF @ 25° C, cps	300 - 400
Specific Gravity	1.05 - 1.15
Pounds/Gallons	8.74 - 9.57
Storage Stability @ 25° C, months	6

#### Typical Reactivity - 100 grams (3.53 oz.) casting @ 25° C

Catalyst	1.25% MEKP-9%
Gel Time, minutes	8 - 12

#### Typical Physical Properties

*Clear casting with 1.25% MEKP, over night at room temperature cure, two hour post cure at 250° F.*

Barcol Hardness	ASTM D-2583-75	35 - 40
Heat Distortion Temperature, (C) (F)	ASTM D-648-72	71 (160)
Tensile Strength, psi	ASTM D-638-80	9 - 11,000
Flexural Strength, psi	ASTM D-790-80	12 - 14,000
Compressive Strength	ASTM D-695-80	20 - 21,000

#### Disclaimer and Limitation of Warranty

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