



TAP Plastics Casting Resin

Type • A water-white, clear casting resin designed for applications in which extreme clarity and absence of color when cured with MEKP catalyst are required.

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	450
Specific Gravity	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	17
Total Time to Peak	45 minutes
Peak Exotherm °F	280

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-2583-99	37
Heat Distortion Temperature, (C) (F)	ASTM D-785	71 (160)
Tensile Strength, psi	ASTM D-638-02	10,000
Flexural Strength, psi	ASTM D-790-80	12,000
Compressive Strength	ASTM D-695-80	20 - 21,000

FEATURES	BENEFITS
• Low shrink	• Minimal warping
• Low viscosity	• Outstanding air release • Meets California Rule 50 and SCAQMD Rule 1162
• UV-stabilized	• Resists yellowing
• Specially promoted	• Water white when cured • Designed for small or large castings • Wide range of gel times possible

Disclaimer and Limitation of Warranty

The information herein is to assist customers in determining whether this product is suitable for their applications. Our products are intended for sale to commercial and industrial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness, not is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.

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