



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. UV stabilized for improved weathering.

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

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|---|-----------|
| Color | Clear |
| Monomer Content, % | 34 |
| Viscosity, Brookfield #LVF @ 25° C, cps | 450-600 |
| Specific Gravity | 1.10-1.12 |
| Pounds/Gallons | 9.13-9.34 |
| Storage Stability @ 25° C, months | 6 |

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

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|--------------------|---------------|
| Catalyst | 1.25% MEKP-9% |
| Gel Time, minutes | 14-20 |
| Total Time to Peak | 35-55 minutes |
| Peak Exotherm °F | 260-284 |

Typical Physical Properties

Clear casting with 1.00% MEKP at 25°C.

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| 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 |

| 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 |

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Disclaimer and Limitation of Warranty

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