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## TAP GENERAL PURPOSE RESIN

Technical Data



**DESCRIPTION:** Rigid epoxy resin, based on Bis-A. Medium viscosity. 100% solids, clear, and highly resistant to crystallization in cold environments. No VOCs and DOT non-regulated. If crystallization occurs, loosen lid and place can in warm water. Resin will liquify with no loss of properties.

### SUGGESTED USES:

Hand lay up laminating, general purpose tooling and pattern work.

### PROPERTIES OF TAP GENERAL PURPOSE RESIN:

Viscosity: 2,100 – 2,400cps  
Color: 2 (Gardner)  
Weight/Gal: 9.4

### MIXING:

Recommend TAP General Purpose be used between 65° – 85°F (product and ambient temperatures). Remove all surface contaminants such as water, dirt, rust, and petroleum products. Mold surfaces must be waxed or otherwise “released” prior to epoxy application. Mix resin and hardener for 3 – 5 minutes being certain to scrape the bottom and sides of the mixing container. Mix no more material than may be applied before the expiration of the pot life.

### CURING:

TAP General Purpose cures overnight at typical ambient temperatures (65° – 85°F) with full properties developing in 7 days, see hardener data for specific cure schedules and properties.

### SAFETY PRECAUTIONS:

**Health Considerations: Consult the TAP Plastics Material Safety Data Sheets.**

This chemical system requires the use of proper safety equipment and procedures. Please follow the TAP Plastics product MSDS for detailed information and handling guidelines.

### For Your Protection:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of TAP Plastics. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by TAP Plastics will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. Because of numerous factors affecting results, TAP Plastics makes no warranty of any kind, express or implied, other than that the material conforms to its applicable current Standard Specifications. TAP Plastics hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of TAP Plastics for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

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**15 TAP stores in Northern California • 2 in Oregon • 3 in Washington**  
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# TAP GENERAL PURPOSE HARDENER



**DESCRIPTION:** Quick curing agent designed for impact and high strength flexibility. Easily mixed 1:1 ratio by volume. Low viscosity, no VOCs, 100% solids.

**SUGGESTED USES:**

Laminating, adhesives, fiberglass repairs and small castings.

**PROPERTIES OF TAP GENERAL PURPOSE HARDENER:**

Viscosity at 77°F, cps	1,400
Color (Gardener)	3 (New, color changes with age; Does not affect performance properties)
Weight Per Gallon	8.0 – 8.1lbs
Mix Ratio, Parts Per 100 Resin	85 by weight (1:1 volume)
Gel Time at 7°F (150 Grams)	10 – 15 minutes
Thin Film Set Time, Hours	3 – 4
Full Cure Time	7 days

**TYPICALLY CURED PROPERTIES W/ TAP GENERAL PURPOSE RESINS:**

(Cure schedule: Gel at ambient + 2 hours at 100°C or 7 days at 77°F)

HDT (C)	115	ASTM D648-264
Shore D Hardness	79	
Flexural Strength, psi	11,500	
Flexural Modulus, ps	-	
Tensile Strength, psi	7,500	
Tensile Modulus, psi	-	
Elongation %	5.0	

**SAFETY PRECAUTIONS:**

**Health Considerations: Consult the TAP Plastics Material Safety Data Sheets.**

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