



Freeman 1020 Low-Density Epoxy Molding Compound

Description

Freeman 1020 is a lightweight paste laminate tooling dough for surface coat or fiberglass reinforcement. Tan in color, Freeman 1020 is easily hand-mixed into a dough-lie consistency.

Physical Properties

Color (when mixed)	Tan
Mix Ratio (by weight)	100:33
Mix Raito (by volume)	100:36
Viscosity (cps, mixed)	Putty
Gel Time (minutes @ 72°F.)	50
Demold Time (hours)	24
Hardness (Shore D) (ASTM 2240)	55
Specific Gravity, Mixed (ASTM D-792)	0.456
Volumetric Yield (cu. in./ lb.) (ASTM D-792)	60.7
Tensile Strength (psi) (ASTM D-638)	500
Compression Strength (psi)	28,000*
Flexural Strength	32,000*
Deflection Temperature (°F)	190

*Results recorded from a laminated tool

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
055001	Freeman 1020 Gallon Unit (Resin & Hardener)	Gallon	3.52
055002	Freeman 1020 5-Gallon Unit (Resin & Hardener)	Gallon	17.6

Physical and mechanical properties of tooling plastics herein reported are typical after a full cure of seven (7) days at room temperature or equivalent. Designated mix ratios must be adhered to for desired results. The user shall determine the suitability of this product for their application and assumes all risks and liabilities associated with the use of this product. The exclusive remedy for all proven claims is replacement of our materials only and in no event shall Freeman Mfg. & Supply Co. be liable for special, incidental, or consequential claims.

READ SAFETY DATA SHEETS AND PRODUCT LABELS BEFORE USING PRODUCT

