



Repro[®] Slow Fast-Cast Urethane

Description

Repro Slow is our most accurate fast-cast polyurethane system that features extremely low shrinkage and an extended work time that allows for the creation of larger tools. Like Repro 83, it is used in foundry and thermoforming applications, mold making, and in most general plastic casting applications.

Physical Properties

Color (when mixed)	Tan
Mix Ratio (R:H, by weight or volume)	1:1
Viscosity (cps, mixed)	1,100
Gel Time (minutes @ 77°F.)	12-14
Demold Time (hours)	3-4
Hardness (Shore D) (ASTM 2240)	84
Specific Gravity, Mixed (ASTM D-792)	1.9
Volumetric Yield (cu. in./ lb.)	14.5
Compressive Strength (psi) (ASTM D-695)	6,470
Flexural Strength (psi) (ASTM D-790)	5,140
Flexural Modulus (psi) (ASTM D-790)	939,000
Tensile Strength (psi) (ASTM D-638)	3,130
Tensile Modulus (psi) (ASTM D-638)	941,000
Izod Impact Strength (ft-lbs./in) (ASTM D-256)	0.31
Deflection Temperature @ 66 psi (°F) (ASTM D-648)	135
Linear Shrinkage (in/in)* (ASTM D-2566)	0.0009

*Actual shrinkage dependent upon mass

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
053201	Repro Slow Gallon Unit	Gallon	20
053202	Repro Slow 5-Gallon Unit	5-Gallon	100

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

Repro is a registered trademark of Freeman Manufacturing & Supply Company.

Freeman Manufacturing & Supply Company | 1101 Moore Rd. | Avon, Ohio 44011 | 800-321-8511 | www.freemansupply.com