



Repro[®] 10 Fast-Cast Urethane

Description

Repro 10 provides a balance of speed and accuracy for many tooling applications. Although Repro 10 can be quickly demolded in 30-60 minutes, it has a working time of 5-6 minutes that is adequate for medium and some larger pours.

Physical Properties

Color (when mixed)	Tan or Black
Mix Ratio (R:H, by weight or volume)	1:1
Viscosity (cps, mixed)	1,100
Gel Time (minutes @ 77°F.)	5-6
Demold Time (minutes.)	30-60
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)	0.0012

*Actual shrinkage dependent upon mass

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
053060	Repro 10 Tan Quart Unit	Quart	5
053064	Repro 10 Tan Gallon Unit	Gallon	20
053062	Repro 10 Black Quart Unit	Quart	5
053066	Repro 10 Black Gallon Unit	Gallon	20

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

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