



Repro[®] Light Fast-Cast Urethane

Description

Repro Light is a versatile castable urethane that is approximately half the weight of our other Repro products. This brown color material can be used for lightweight tools, backfill applications, and as an adhesive for many urethane modeling & styling boards. Its hardness and color is an almost exact match to the popular tooling board RenShape 450. This material also offers low internal porosity, easy machinability, and can be readily worked and carved with hand tools.

Physical Properties

Color (when mixed)	Brown
Mix Ratio (R:H, by weight or volume)	1:1
Viscosity (cps, mixed)	1,500
Gel Time (minutes @ 77°F.)	6-8
Demold Time (minutes)	90-120
Hardness (Shore D) (ASTM 2240)	68
Specific Gravity, Mixed (ASTM D-792)	0.9
Volumetric Yield (cu. in./ lb.)	30
Compressive Strength (psi) (ASTM D-695)	3,980
Flexural Strength (psi) (ASTM D-790)	2,620
Flexural Modulus (psi) (ASTM D-790)	347,000
Tensile Strength (psi) (ASTM D-638)	1,530
Tensile Modulus (psi) (ASTM D-638)	350,000
Izod Impact Strength (ft-lbs./in) (ASTM D-256)	0.15
Deflection Temperature @ 66 psi (°F) (ASTM D-648)	132
Coefficient of Thermal Expansion (in/in/°F)	3.50 x 10 ⁻⁵
Linear Shrinkage (in/in)* (ASTM D-2566)	0.0014

*Actual shrinkage dependent upon mass

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
053197	Repro Light Quart Unit	Quart	2.5
053198	Repro Light Gallon Unit	Gallon	10
053199	Repro Light 5-Gallon Unit	5-Gallon	50

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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