



## Pro-Cast 3-33 Fast-Cast Urethane

### Description

Pro-Cast 3-33 offers excellent reproduction of details making it ideal for plastic prototyping and features an easy one to one mix ratio with a shore hardness of 85D. Pro-Cast 3-33 has a 7-10 minute working life for large casting, and can be demolded in 60-90 minutes at room temperature.

### Physical Properties

Color (when mixed)	Green
Mix Ratio (R:H, by weight or volume)	1:1
Viscosity (cps, mixed)	1,500
Gel Time (minutes @ 72°F.)	7-10
Demold Time (minutes)	60-90
Hardness (Shore D) (ASTM 2240)	85
Specific Gravity, Mixed	1.78
Volumetric Yield (cu. in./ lb.) (ASTM D-792)	15.6
Compressive Strength (psi) (ASTM D-695)	7,400
Flexural Strength (psi) (ASTM D-790)	4,900
Flexural Modulus (psi) (ASTM D-790)	580,000
Tensile Strength (psi) (ASTM D-638)	3,100
Tensile Modulus (psi)	941,000
Izod Impact Strength (ft-lbs./in) (ASTM D-256)	0.28
Deflection Temperature @ 66 psi (°F) (ASTM D-648)	139
Coefficient of Thermal Expansion (in/in/°F) (ASTM D696-98)	2.5 x 10 <sup>-5</sup>
Linear Shrinkage (in/in)* (ASTM D-2566)	0.002

\*Actual shrinkage dependent upon mass

### Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
056366	Pro-Cast 3-33 Gallon Unit	Gallon	20
056368	Pro-Cast 33-33 Hardener Only 2 1-Gallon Pails	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