



Master[®] Cast 721M Fast-Cast Urethane

Description

Master Cast 721M is ideal for patterns, core boxes, vacuum form molds, fixtures, and prototypes. This product offers an easy one to one mix ratio, low shrinkage, and good physical and mechanical properties.

Physical Properties

Color (when mixed)	Burgundy
Mix Ratio (R:H, by weight or volume)	1:1
Viscosity (cps, mixed)	1,500
Gel Time (minutes @ 77°F.)	6
Demold Time (minutes)	30-60
Hardness (Shore D) (ASTM 2240)	85
Specific Gravity, Mixed	1.9
Volumetric Yield (cu. in./ lb.) (ASTM D-792)	14.5
Compressive Strength (psi) (ASTM D-695)	6,400
Flexural Strength (psi) (ASTM D-790)	5,000
Flexural Modulus (psi) (ASTM D-790)	930,000
Tensile Strength (psi) (ASTM D-638)	3,000
Tensile Modulus (psi) (ASTM D-638)	935,000
Izod Impact Strength (ft-lbs./in) (ASTM D-256)	0.30
Deflection Temperature @ 66 psi (°F) (ASTM D-648)	133
Linear Shrinkage (in/in)* (ASTM D-2566)	0.001

*Actual shrinkage dependent upon mass

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
053705	Master Cast 721M	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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