



Freeman 1060 Polyurethane Elastomer

Description

Freeman 1060 is a semi-rigid polyurethane elastomer. This material is recommended for applications where abrasion resistance and impact strength are critical, such as foundry patterns, core boxes, wear-resistant parts, and holding/assembly fixtures. Freeman 1060 pours easily for excellent surface reproduction, has a long working time of 28 minutes, and is safer to work with because it does not contain TDI, MOCA, or MDA.

Physical Properties

Color (when mixed)	Black or Red
Mix Ratio (R:H, by weight)	100:60
Mix Ratio (R:H, by volume)	100:60
Viscosity (cps, mixed)	2,600
Gel Time (minutes @ 77°F.)	28
Demold Time (hours)	16
Hardness (Shore D) (ASTM 2240)	60
Specific Gravity, Mixed	1.05
Volumetric Yield (cu. in./ lb.) (ASTM D-792)	26.36
Tensile Strength (psi) (ASTM D-638)	3,200
Tear Strength (psi) (ASTM D-624)	510
Elongation (% - ASTM D-638)	300
Linear Shrinkage (in/in)* (ASTM D-2566)	.001

*Actual shrinkage dependent upon mass

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
055108	Freeman 1060 Black Resin & Hardener	Quart	2.5
055106	Freeman 1060 Black Resin & Hardener	Gallon	10
055110	Freeman 1060 Red Resin & Hardener	Gallon	10
055107A	Freeman 1060 Resin Only	5-Gallon	31.25
055107B	Freeman 1060 Hardener Only Black	5-Gallon	18.75
055111B	Freeman 1060 Hardener Only Red	5-Gallon	18.75
055116	Freeman 1060 Resin Only	55-Gallon	460
055117	Freeman 1060 Hardener Only Black	55-Gallon	280

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

