



## Freeman 2050 Polyurethane Elastomer

### Description

Freeman 2050 is a tough, semi-flexible urethane that is ideal for creating molds requiring some degree of flexibility, as well as for producing semi-rigid prototypes and finished parts. Freeman 2050 may be easily thickened for brush-on applications using Fumed Silica.

### Physical Properties

Color	Amber
Mix Ratio (by weight)	100:40
Viscosity, Mixed (cps)	2,000
Gel Time (minutes @ 77°F)	23
Demold Time (hours)	16
Hardness (Shore A)	90
Specific Gravity (g/cc)	1.06
Volumetric Yield (in <sup>3</sup> /lb.)	26.6
Tear Strength (ppi)	350
Tensile strength, (psi)	1,500
Tensile Elongation %	460
Linear Shrink in/in	0.0005

### Release Recommendations

When releasing the 2050 off porous materials such as wood or plaster, it is recommended to use a combination of the Freeman Wax Release and Partall #10 Mold Release.

### Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
057732	Freeman 2050 Resin	5-Gallon	40
057733	Freeman 2050 Hardener	2-Gallon	16

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