



Freeman 2060/66 Polyurethane Elastomer

Description

Freeman 2060/66 Semi-Rigid Polyurethane Elastomer was specifically designed for highly abrasion-resistant foundry tooling. This resin offers enhanced deflection resistance with high pressure molding processes and may be readily sanded and machined without softening. Castable up to 2" thick.

Physical Properties

Color	Amber, Red, or Black
Mix Ratio (by weight)	100:50
Viscosity, Mixed (cps)	3,200
Gel Time (minutes @ 77°F)	15
Demold Time (hours)	24
Hardness (Shore D)	65
Specific Gravity	1.03
Volumetric Yield (in ³ /lb.)	27
Tensile strength (psi)	3,100
Tear Strength (ppi)	630
Elongation (%)	140
HDT (°F)	180
Linear Shrinkage, in/in	0.002

Degassing of this system is highly recommend for reducing air entrapment. Please note that the 2060 resin will rise a considerable amount during the degassing process. It is important to allow enough space in bucket for material to fully rise. Once material rises, crest, and falls continue to degas a few more minutes before removing from vacuum chamber. Do not wait for material to appear bubble free, as this system will not go flat during the degassing process. If possible, castings may also be placed in a pressure pot under 40 psi until ready to demold for optimal 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.