



Freeman 1085HS Polyurethane Elastomer

Description

Freeman 1085HS features an easy 1:1 mix ratio, low-viscosity, and high impact strength. Freeman 1085HS produces thermoplastic like parts making it ideal for casting prototypes, rigid parts, short-run production of injection molded parts, and thermoformed parts.

Physical Properties

Color	White
Mix Ratio (by weight)	1:1
Mix Ratio (by volume)	1:1
Viscosity, Mixed (cps)	90
Gel Time (minutes @ 77°F)	7
Demold Time (minutes)	30
Hardness (Shore D)	70
Specific Gravity (g/cc)	1.05
Volumetric Yield (in ³ /lb)	26.3
Tensile Strength, (psi)	4,500
Flexural Modulus (psi)	235,000
Elongation %	8
Izod Impact Strength, Notched (ft. lbs./in.)	3.0
Linear Shrinkage in/in	0.003

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.