



Freeman 825 Iron-Filled Epoxy Casting Resin

Description

Freeman 825 is an iron-filled epoxy tooling resin with good abrasion resistance. It's paste like viscosity makes it ideal for use as a potting compound. Freeman 825 can be cast up to 3" thick.

Physical Properties

Color	Black
Mix Ratio (by weight)	100:10
Mix Ratio (by volume)	4.25:1
Viscosity, Mixed (cps)	Thixotropic
Gel Time (minutes @ 77°F)	50
Demold Time (hours)	24
Hardness (Shore D)	90
Specific Gravity, Mixed	2.28
Volumetric Yield (cu. in./lb.)	12.1
Deflection Temperature (°F)	168
Tensile Strength (psi)	4,605
Tensile Modulus (psi)	957,930
Elongation, at Yield, %	0.587
Shear Modulus (psi)	407,237
Compressive Strength (psi)	14,600
CTE, in/in/°F	2.133×10^{-5}
Flexural Strength (psi)	9,253
Flexural Modulus (psi)	875,299

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