



Freeman 1569 Epoxy Tooling Dough

Description

The Freeman 1569 is a lightweight epoxy syntactic tooling dough used in conjunction with epoxy laminates to create a sandwich type construction for the quicker production of tools. Freeman 1569 features excellent dimensional stability and a quick one hour tack time. Each layer of tooling dough must be allowed to set for a minimum of one hour before adding another laminate layer. An application limit of 1" thick per layer is advised.

Physical Properties

Color	Blue
Mix Ratio (by weight)	100:14
Mix Ratio (by volume)	14:1
Gel Time (min. @ 72°F)	50
Demold Time (hr. @ 72°F)	16-24
Hardness (Shore D)	65
Mixed Viscosity (cps)	Dough
Density (g/cc)	0.55
Volumetric Yield (in. ³ /lb.)	50.3
Compressive Strength (psi)	28,000
Flexural Strength (psi)	32,000
Flexural Modulus (psi)	1.84 x 10 ⁶
Tensile Strength (psi)	500
Lap Shear (psi)	1,500
Deflection Temperature (°F)	190
C.T.E. (in./in./°F)	2.44 x 10 ⁻⁵

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