



Technical Data Sheet

Freeman 1220 Epoxy Tooling Paste

Description

Freeman 1220 Epoxy Tooling Paste offers ASTM-E84 Class A Flame Rating, easily sculpt, sandable, paintable and bonds to most substrates, non-toxic, and solvent free. This paste can be applied up to 1/2" thick with no sag. Freeman 1220 also offers an easy 1:1 mix ratio with a 60-minute gel time.

Physical Properties

Mix Ratio (by weight)		100:100
Mix Ratio (by volume)		100:100
Viscosity (cps)		Paste
Gel Time (min)		60
Cure Time (hours)		12
Specific Gravity (g/cc)	D-792	1.41
Hardness, Shore D	D-2240	90
Tensile Strength (psi)	D-638	2,000
Flexural Strength (psi)	D-790	8,100
Flexural Modulus (psi)	D-790	895,000
Compressive Strength (psi)	D-695	12,000
Coefficient Thermal Expansion in'/in/f°		2.03×10^{-5}
Shrinkage	D-2566	Nil
Color		Dark Gray

Physical properties obtained after 7 day cure @ 77°F.

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