



## Freeman 6700 Epoxy Laminating System

### Description

Freeman 6700 is a general purpose, clear epoxy laminating system designed for producing laminates or for use as an adhesive. Freeman 6700 may be used at room temperature without a post cure. For applications involving elevated temperatures up to 190°F a heated post cure is required.

### Physical Properties

Color	Clear
Mix Ratio (by weight)	100:25
Mix Ratio (by volume)	3.5:1
Viscosity, Mixed (cps)	700
Gel Time (minutes @ 77°F)	15-20
Demold Time (hours)	24
Hardness (Shore D)	82
Specific Gravity (g/cc)	1.17
Tensile strength, (psi)	13,900
Flexural Strength, (psi)	23,500
Flexural Modulus, (psi)	451,000
Compression Strength (psi)	27,800
Heat Distortion Temperature, Room Temp Cure	140°F
Heat Distortion Temperature, Post Cure	190°F

Post cure the part to obtain maximum physical and thermal properties of the system. Select one of the following cure schedules depending on the desired physical properties of the final part. The recommended post cure temperature ramp rate between stages is up 5°F per minute for heating, and down 1-2°F per minute for cooling. Heating and cooling ramp rates can vary based on size and thickness of the part. For larger or thicker parts use a more conservative ramp.

CURE OPTIONS:	24 Hours at 77°F (25°C)	4 Hours at 150°F (66°C)
Room Temperature Cure	Supported	
Post Cure	Supported	Unsupported

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