



Freeman 605 Epoxy Laminating Resin

Description

Freeman 605 is used for general composite tooling and mold construction. This material features a variable gel time (depending on the hardener used) and is designed to be used with Freeman 705 and Freeman 706 Epoxy Surface Coats.

Physical Properties

	605-15	605-45
Color (when mixed)	White	White
Mix Ratio (R:H, by wt.)	100:16	100:20
Mix Ratio (R:H by vol.)	100:20	100:26
Viscosity (cps, mixed)	2,850	2,800
Gel Time (min. @ 72°F)	20	37
Demold Time (hrs.)	24	24
Hardness (Shore D) (ASTM 2240)	82	86
Specific Gravity, Mixed (ASTM D-792)	1.30	1.28
Volumetric Yield (cu. in./ lb.)	21.3	21.6
Tensile Strength (psi) (ASTM D-638)	25,300	25,300
Compressive Strength (psi)	40,000	40,000
Flexural Strength (psi)	33,500	33,500
Flexural Modulus (psi)	1,800,000	1,800,000
Deflection Temperature (°F)	188	188

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
055612	Freeman 605 Resin Only	Quart	2
055606	Freeman 605-15 Hardener Only	1/2 Pint	.32
055613	Freeman 605-45 Hardener Only	1/2 Pint	.40
055609	Freeman 605 Resin Only	6-Quarts	12
055605	Freeman 605-15 Hardener Only	6-1/2 Pints	1.93
055610	Freeman 605-45 Hardener Only	6-1/2 Pints	2.40
055607	Freeman 605 Resin Only	5-Gallon	45
055608	Freeman 605-45 Hardener Only	2-Gallons	9
055614	Freeman 605 Resin Only	55-Gallon	450
055615	Freeman 605-45 Hardener Only	2-5 Gallon	90

Physical and mechanical properties of tooling plastics herein reported are typical after a full cure of seven (7) days at room temperature or equivalent. Designated mix ratios must be adhered to for desired results. 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

