



# Freeman 805 Aluminum-Filled Epoxy Casting Resin

## Description

Freeman 805 Aluminum-filled Casting Resin is a low-viscosity, low shrinkage epoxy system that is ideal for foundry patterns, core boxes, fixtures, and vacuum-form tools. The Freeman 805 is castable up to 1/2" thickness.

## Physical Properties

Color (when mixed)	Gray
Mix Ratio (R:H, by wt.)	100:18
Viscosity (cps, mixed)	9,750
Gel Time (min. @ 72°F.)	150
Hardness (Shore D) (ASTM 2240)	88
Demold Time (hrs.)	24
Volumetric Yield (cu. in./ lb.)	18.8
Deflection Temperature (°F)	200
Tensile Strength (psi) (ASTM D-638)	8,100
Compressive Strength (psi)	17,200
Flexural Strength (psi)	9,600
Specific Gravity, Mixed (ASTM D-792)	1.47
Shrinkage (in/in –ASTM D-2566)	0.001

## Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
055812	Freeman 805 Casting Resin Only	Quart	2.00
055813	Freeman 805 Casting Hardener Only	½ Pint	0.3
055807	Freeman 805 Casting Resin Only	5-Gallon	45.0
055808	Freeman 805 Casting Hardener Only	Gallon	8.10

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