



# Freeman 1070

## Rapid Cure Polyurethane Casting Resin

Freeman Mfg.  
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## Description

Freeman 1070 is an off white, very fast-curing material which may be hand mixed and poured to create parts which simulate injection molded plastic. Offers an extremely low viscosity for accurately duplicating surfaces and the ability to be demolded in 15 minutes which allows for multiple parts per day. Freeman 1070 may be cast up to 1/2" in thickness.

## Physical Properties

Color (when mixed)	Off White
Mix Ratio (by wt., Resin to Hardener, A to B)	100:92
Mix Ratio (by volume, Resin to Hardener, A to B)	1:1
Mixed Viscosity (cps)	80
Gel Time (min. @ 72°F.)	3
Hardness (Shore D)	70
Tensile Strength (psi - ASTM D-412)	3,000
Specific Gravity	1.05
Linear Shrinkage (in./in.*- ASTM D-2566)	0.004
Volumetric Yield (cu. in./ lb.)	26.6
Demold Time (minutes)	15

\*- Actual shrinkage dependent upon mass.

## Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
055407	Freeman 1070 Rapid Cure Urethane	Quart Kit	3.85 lbs.
055406	Freeman 1070 Rapid Cure Urethane	Gal. Kit	15.4 lbs

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**

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