

# Barnes

moulding & casting supplies

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# SUPERCAST®

## FAST CURE POLYURETHANE RESIN

### POLYURETHANE RESIN

#### PRODUCT DESCRIPTION

Supercast is a two-component rigid urethane casting compound. It cures to approximately Shore 70D and is Tan in colour. Supercast is rapid setting and demonstrates more flexibility than other similar materials. Supercast is compatible with a wide range of fillers and can reproduce intricate detail as a result of its low viscosity. The system is easy to process with a 1:1 mix ratio and has a low setting exotherm temperature of only 77°C. Supercast can be demoulded in 5-30 minutes which allows fast production of parts.

#### TYPICAL PRODUCT USES

Pattern & Foundry Tooling  
Architectural Models  
Model Kits  
Collectibles  
Masters and Prototypes  
Movie Props  
Mirror/Picture Frames & Ornamental Mouldings  
Decorative Components

#### PHYSICAL PROPERTIES

Colour:	Tan
Hardness, Shore D:	70
Specific Gravity, gm/cc:	1.03
Ultimate Tensile, PSI:	2389
Elongation %:	12.5
Linear Shrinkage, in/in:	0.009

#### HANDLING PROPERTIES

Mix Ratio (by weight)	Part A:	100
	Part B:	100
Viscosity, cps @24°C	Part A:	112
	Part B:	112
	Mixed:	112
Work Life:	3 minutes	
Demould Time:	5 -30 minutes	
Shelf Life:	6 months in unopened containers @ 24°C	