

Polyurethane Casting Resin

The **PUCast Series** is a two-component polyurethane casting resin which exhibits good impact resistance and strength, ultra-low viscosity casting polyurethane resins that yield castings that are bright white and virtually bubble-free. Vacuum degassing is not necessary. They offer the convenience of a 1A:1B by weight mix ratio. The differences between them are pot life and demold time.

Fully cured castings are tough, durable, machinable and paintable. Applications for PUCast Series polyurethane casting resin include reproducing small to medium size sculptures, making prototype models, special effect props and decorative jewelry.

Key features

- Easy to measure and mix – 1:1 mix ratio by weight
- Low viscosity – captures excellent detail – no degassing necessary
- Resin cures to a bright white finish
- Works excellent in rtv silicone molds
- A two-component polyurethane casting resin which exhibits good impact resistance and strength.

Applications

Casting resin for Making models, molds, prototypes, figurines, proof molds, make reproductions, etc..

This is an ideal resin for professional model makers, hobbyists, crafters, and taxidermists. PUCast turns from liquid to solid in 15 minutes and works excellent in rtv silicone molds.

Physical Properties Test @25°C	PUCast12	PUCast14				
Hardness (Shore D)	70 D	70 D				
Mixing ration (by weight)	A:B=1:1	A:B=1:1				
Color	Off white	White				
Viscosity (cps)	70	70				
Working time (Mins)	2 Mins	2 Mins				
Curing time (Hours)	20 Mins	20 Mins				
Heat Deflection	75 °C	75 °C				

Instructions

1. Shake part A and Part B well, and let stand until bubble dissipate
2. Weigh 100 Part A to 100 Part B using an accurate scale and a clean mixing container.
3. Mix and scrape walls of the container, continue mixing for 15-20 seconds.
4. Pour the resin into your mold.
5. Allow the resin to cure and de-mold with care.

Package

Part A	1kg/can
Part B	1kg/can

Storage & shelf-life

9 months, should be stored in original, unopened containers between 15 and 25°C.

Always tightly reseal containers after use. Air, moisture or other contamination causes a reduction in reactivity over time, out of direct sunlight and away from direct sources of heat.