ArtKast
Pourable

Product Description & Applications

ArtKast Pourable is a two part urethane casting system. It is easy to process with a low exotherm (Maximum 170F) that demolds in 15-20 minutes. Applications include decorative castings, rotational molding, filled castings, and tooling.

Mold Considerations

Silicone Molds: ArtKast may be poured into silicone (both Tin Cure and Platinum Cure) molds with minimal or no release. Baby powder or corn starch may be dusted into silicone molds to provide a matte surface to cast parts. The number of parts that may be cast from a silicone mold will vary greatly depending on the quality of the silicone. If cast parts are to be painted, avoid release agents containing silicone oils.

Physical Properties

Liquid Components:	Part A	Part B
Viscosity (ASTM D-2196)	200 cps	300 cps
Specific Gravity (g/cm3)	1.15	1.05
Mix Ratio (1:1 by weight)	50	50

Cured Material:	Test Method	Results
Tensile Strength, psi	ASTM-D412	2500 +/- 200
Elongation, %	ASTM-D412	6 +/- 2
Shore D Hardness	ASTM-D2240	72D +/- 2
Color	Visual	Ivory to Beige

Reactivity Data

Gel Time, Seconds	180 +/- 20 (@70F)
Demold Time, Minutes	15-20 (@70F)

Handling & Storage

Components A and B should be stored in tightly closed containers to protect against moisture and foreign materials. Components should be stored at 65F-85F for best product life. Materials should be used within six months of purchase date. Opening and closing sealed containers exposes them to moisture and may deteriorate product if humid air contacts raw components. Once containers have been opened, the lifespan of the raw components will vary based on temperature, storage conditions, and ambient humidity.

Important!

The information contained herein is based on data believed to be accurate at the time of publication. Data of this type should not be used for specification for fabrication and product design as it is the user's resposibility to determine this product's suitability for a particular application.