

ArtKast

Brushable



Product Description & Applications

ArtKast Brushable is a two part, thixotropic resin gel. ArtKast Brushable self-thickens once parts A and B are combined to form a thixotropic gel that may be applied by brush or trowel. Applications include brushed on castings for large hollow parts and light-weight support shells for brushed-on silicone molds.

Mold Considerations

Silicone Molds: ArtKast Brushable may be brushed 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. ArtKast Brushable may be applied by brush or trowel over cured silicone brush-on molds to create tough, light-weight support shells or mother molds. A light spray of release may be necessary over some fresh silicone surfaces. A test is recommended to determine suitability.

Physical Properties

Liquid Components:

	Part A	Part B
Viscosity (ASTM D-2196)	300 cps	500 cps
Specific Gravity (g/cm ³)	1.20	1.05
Mix Ratio (1:1 by weight)	50	50

Cured Material:

	Test Method	Results
Tensile Strength, psi	ASTM-D638-84	6000 +/- 500
Elongation, %	ASTM-D638-84	5 +/- 1
Shore D Hardness	ASTM-D2240-86	75D +/- 2
Color	Visual	Ivory to Beige

Reactivity Data

Gel Time, Seconds	20-30 (@70F)
Working Time, Minutes	6-8 (@70F)
Demold Time, Minutes/Hours	60-90 Min. Thick Parts/3-5 Hours Thin Parts (@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 responsibility to determine this product's suitability for a particular application.

BITY Mold Supply
521 Sterling Dr.
Richardson, TX 75081