

# Shell

## Brushable Light Weight Urethane

**Product Description:**

Alumilite Shell is an easy to use filled 2-part system used for brush-on applications such as hollow parts or to make light weight mother molds over painted or sprayed on silicone rubbers to provide dimensional stability. Also great for reinforcing hollow parts. Shell has a mix ratio of 1:1 by weight. The hollow glass balloons (filler) do settle to the top of the containers during shipping and while sitting on the shelf which will need to be agitated prior to use. The material features a 6-8 minute work time with a demold time that ranges from 2-3 hours depending on the mass of the material being cast. Once adequately mixed, product will transition into a thixotropic gel, which can be applied with a brush or spatula.

**Physical Properties:**

Color	Tan
Mixed Viscosity (cps)	Thixotropic
Hardness, (ASTM D-2240) Shore D	60-65
Specific Gravity	.56
Shrinkage (in/in)	Nil
Tensile Strength (ASTM D-638) (psi)	3,400
Elongation (in/in)	<2%
Heat Deflection (ASTM D-648) (Degrees F)	200°F
Compression (psi)	5,000

**General Properties:**

Color	"A" Side	Brown
	"B" Side	White
Mix Ratio		1:1 by wt.
Shelf Life		6 months
Work Time at 75 Degrees F (100g mass)		6-8 minutes
Demold Time at 75 Degrees F (100g mass)		2-3 hours
Full Cure Schedule		72 hours

**Packaging:**

Gallon Kit                      3.5 lbs A/3.5 lbs B  
(Approximate Net Volume 1.5 Gallons)