

Vac 50

Aluminum Filled Casting Urethane

Product Description:

Alumilite's Vac 50 provides users with an excellent high temperature resistant, aluminum filled, urethane casting resin that is great for nests, fixtures, vacuum form tools, and thermoform tooling. The Vac 50 is easy to use and has a mix ratio of 1:1 by weight. The aluminum filler does settle over time and needs to be agitated prior to use. Once mixed, poured, and cured, the Vac 50 gives you an incredibly tough tooling resin that is great for a wide variety of industrial applications. 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. Alumilite's Vac 50 is a best choice when high temperature resistance is required as the aluminum powder in the system helps dissipate the heat more quickly than other urethane systems. The Vac 50 machines beautifully and is highly recommended when post machining is required.

Physical Properties:

Color	Gray
Mixed Viscosity (cps)	1,800
Hardness, (ASTM D-2240) Shore D	80
Specific Gravity	1.15
Shrinkage (in/in)	.0006
Tensile Strength (ASTM D-638) (psi)	3,390
Elongation (in/in)	<2%
Heat Deflection (ASTM D-648) (Degrees F)	275
Compression (psi)	9,000

General Properties:

Color	"A" Side	Gray
	"B" Side	Gray
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:	Quart Kit	2.5 lbs A/2.5 lbs B
	Gallon Kit	10 lbs A/10 lbs B
	5 Gallon Kit	50 lbs A/50 lbs of B