

Replicator 532

Filled Casting Urethane

Product Description:

Alumilite's Replicator 532 provides users with a highly abrasive tooling resin. The Replicator 532 is a filled urethane casting resin with a mix ratio of 1:1 by weight. The filler does settle over time and needs to be agitated prior to use. Once mixed, poured, and cured, the Rep 532 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 the best choice when high abrasion and wear 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)	4,050
Elongation (in/in)	<2%
Heat Deflection (ASTM D-648) (Degrees F)	225
Compression (psi)	7,500

General Properties:

Color	"A" Side	Lt. Tan
	"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:	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