

# Regular

## 75D High Temp. Urethane

**Product Description:**

Alumilite's Regular provides users with an extremely tough, high temperature, rigid urethane that is incredibly easy to use. The material has a very low viscosity and a mix ratio of 1:1 by weight or by volume which allows anyone from the experienced rapid prototyper to the hobby enthusiast to make a perfect part every time. The material also features a 90 second work time with a color change in the cure to let the user know when his/her pot life is up. Demold times typically range from 5 to 15 minutes depending on the temperature and mass of the material being casted.

**Physical Properties:**

Color	Tan or Black
Mixed Viscosity (cps)	190
Hardness, (ASTM D-2240) Shore D	72
Specific Gravity	1.05
Shrinkage (in/in)	.008
Tensile Strength (ASTM D-638) (psi)	6,000
Elongation (in/in)	4-6%
Heat Deflection (ASTM D-648) (Degrees F)	244
Izod Impact (ASTM D-256) (lb/in)	.5
Dielectric Strength (Volts/Mil)	200-400
Volume Resistance (ohm/cm)	>10 <sup>16</sup>

**General Properties:**

Color	"A" Side	Clear
	"B" Side	Coffee
Mix Ratio		1:1 by wt. or vol.
Shelf Life		1 year
Open Time at 75 Degrees F (100g mass)		90 seconds
Demold Time at 75 Degrees F (100g mass)		5-8 minutes
Full Cure Schedule		72 hours

<b>Packaging:</b>	28 oz	.853 lbs A/1.03 lbs B
	2 Gallon	8 lbs A/8.6 lbs of B
	10 Gallon	39 lbs A/45 lbs B
	Drum Kit	411 lbs A/465 lbs B