

Ultra-Lite 400

Light Weight Casting Urethane

Product Description:

Alumilite's Ultra Lite 400 provides users with an excellent light weight casting medium that is extremely easy to use. The Ultra Lite 400, is filled with hollow glass balloons that decrease the specific gravity of the material greatly. It cures to a light weight, durable, rigid plastic that can be used for a wide variety of applications such as light weight back filler to parts, tools, and nests, cast replicas of bones, architectural trim pieces, and much more. The Ultra Lite 400 has a mix ratio of 1:1 by weight. The hollow glass balloons 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.

Physical Properties:

Color	Tan
Mixed Viscosity (cps)	2,500
Hardness, (ASTM D-2240) Shore D	80
Specific Gravity	1.15
Shrinkage (in/in)	.0006
Tensile Strength (ASTM D-638) (psi)	3,400
Elongation (in/in)	<2%
Heat Deflection (ASTM D-648) (Degrees F)	225
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:

Quart Kit	.88 lb A/.88 lb B
Gallon Kit	3.5 lbs A/3.5 lbs B
5 Gallon Kit	17.5 lbs A/17.5 lbs of B