ALUMILITE Technical Data Sheet

Amazing Clear Cast

80D Clear Epoxy

Product Description:
Alumilite's Amazing Clear Cast is a clear casting and coating system that cures to a rigid, durable, clear plastic. Use Amazing Clear Cast for coating or finishing applications such as bar tops, floors, taxidermy scenery, lenses, and all sorts of other clear casting or coating applications. Amazing Clear Cast is an easy to use, 1:1 mix ratio system that cures overnight which allows time for air bubbles to evacuate prior to curing. Amazing Clear Cast can be colored with Alumilite dyes, alcoholic inks, or other non-water base colorants. Complies with FDA CFR 177.2600

Physical Properties:

Color	Clear
Mixed Viscosity (cps)	2,600
Hardness, (ASTM D-2240) Shore D	80
Specific Gravity	1.08
Shrinkage (in/in)	.003
Tensile Strength (ASTM D-638) (psi)	8,000
Elongation (in/in)	1-3%
Heat Deflection (ASTM D-648) (Degrees F)	N/A
Izod Impact (ASTM D-256) (lb/in)	2.26
Compression (psi)	27,000

General Properties:

Color	"A" Side	Translucent Lt Blue
	"B" Side	Clear
Mix Ratio		1:1 by vol.
Shelf Life		1 year
Open Time at 75 Degrees F (100g mass)		45-60 minutes
Demold Time at 75 Degrees F (100g mass)		18-24 hours
Full Cure Schedule		72 hours

Packaging:
16 oz
2 gal
10 gal
Drum Kit

Notes: Mix two parts thoroughly and avoid introducing excessive amounts of air while mixing. Degassing aids in the evacuation of trapped air bubbles in the resin before pouring.

Avoid moisture and contact with water. Prepare surfaces by cleaning thoroughly and making sure the surface is dry prior to pouring. Alumilite Dyes, alcoholic inks, and other non-water base colorants work well for coloring the Amazing Clear Cast.