



10-3350 HIGH TEMPERATURE FIBER OPTIC EPOXY ADHESIVE

DESCRIPTION:

10-3350 is a low viscosity, high temperature epoxy adhesive that exhibits excellent adhesion and electrical insulation properties. Common applications for the 10-3350 are fiber optics bonding, electronics and semiconductor assembly, ferrite core bonding, and magnet bonding.

With a convenient 10:1 mix ratio, the 10-3350 is offered in bulk, as well as hinge packs and premixed and frozen syringes.

FEATURES:

- Excellent adhesion
- High glass transition temperature
- Forms strong bonds to a variety of substrates
- Electrically insulating

TYPICAL PROPERTIES:

Color	
Resin	Clear
Hardener	Amber
Mixed	Clear
Mix Ratio, by weight (R:C)	10:1
Mixed Viscosity, @25°C, cps	4,000
Specific Gravity, @25°C	
Resin	1.20
Hardener	1.02
Pot Life, 25°C, 25 grams	3 Hours
Durometer, Shore D	
@25°C	85
Lap Shear Strength (Al to Al), psi	2,000
Dielectric Constant, 25°C, 1KHz	3.17
Volume Resistivity, ohm-cm, 25°C	1.8×10^{13}
Operating Temperature, °C	-40 to +200°
Glass Transition Temperature, °C	90°C
Spectral Transmission	50% @ 550nm 95% @ 1100-1600nm 98% @ 800-1000nm

**NOTES:**

- 1) This product is an adhesive and is not designed for potting and encapsulating applications. Avoid mass sizes greater than 25 grams

INSTRUCTIONS FOR USE:

- 1) Surfaces must be clean and grease free. Use an oil free solvent such as acetone to wipe surfaces. Adhesion can be substantially increased by abrading the surfaces to be bonded with emery cloth, sand paper, carbide grinding tools, sand blasting, etc... A roughened, porous surface will produce the best results. Any oxidized metal films should be removed just prior to application of the epoxy adhesive mixture.
- 2) Mix by weight 100 parts resin to 10 parts catalyst.
- 3) Apply to substrate. The pot life for this material is 3 hours.
- 4) Recommended cure is 1 hour at 150°C

Minimum alternative schedule below is a guide. Test for best results.

80°C 30 Minutes

100°C 10 Minutes

120°C 5 Minutes

150°C 1 Minute

STORAGE, HANDLING AND AVAILABILITY:

Expected shelf life is 12 months at room temperature. Store in a cool, dry place in original containers.

Please read and understand Safety Data Sheet (SDS) before using this product.

IMPORTANT:

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