Extreme 2151

THERMALLY CONDUCTIVE ELECTRICAL EPOXY

Product Description

Extreme 2151 is a thixotropic heat conductive epoxy system that complies with NASA Outgassing Specifications. ***Extreme 2151*** bonds readily to itself and to metals, silica, alumina, sapphire and other ceramics, glass, and plastics. It's coefficient of thermal expansion provides a wide temperature range for these materials. Cured, this adhesive develops a strong, durable, high impact bond which improves heat transfer, while maintaining electrical insulation

Why You Should Select this Adhesive

- Excellent Chemical Resistance
- Durable Bonds
- Passes NASA Outgassing Requirements
- Good Electrical Insulating Properties

Instructions for Use

Combine pre-weighed resin and activator and mix thoroughly. Pot life is 40 minutes at room temperature.
Time to full cure:
Cured @ 25°C 24 hours
Cured @100C 2-4 hours

Contact an ***EXTREME ADHESIVES***® Adhesive Applications Specialist for further recommendations on adhesive selection.

Physical Properties

Typical Uncured Properties (liquid)

Applies to both the adhesive and activator sides

Viscosity	40,000 cps mixed
Specific Gravity	2.30
Color	Blue / clear
Solvents	None
Mix Ratio (by weight)	100:9.5 resin/activator
Clean up Solvents	MEK, Acetone

Typical Cured Properties (solid)

Shore D Hardness	90
Thermal Service Range	-70°C to 120°C
Thermal Conductivity, W/M/°K	0.96
Lap Shear on AL	3000 psi
Glass Transition (Tg)	60
Coefficient of Expansion	2.60 E-05
Tensile Strength @ 65°C	7500 psi
Volume Resistivity, ohm-cm @25°C @75°C	 2.10E+15 3.20E+13
Outgassing, NASA	Passes

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