

Resin Technology Group TIGA 951 One-Part Silver Conductive Epoxy System

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive , Epoxy, Electrically Conductive

Material Notes:

Cure 10 minutes at 120°C TIGA 951 is an electrically conductive, silver-filled epoxy adhesive recommended for electronic bonding and sealing applications. This one-part, smooth paste formulation of refined pure silver and epoxy develops strong, durable, electrically and thermally conducting bonds and coatings between many different and dissimilar materials such as metals, ceramics, glass and plastic laminates. It can also be used for the assembly and repair of electrical modules, printed circuits, wave guides, flat cable and high frequency shields. Information provided by Resin Technology Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resin-Technology-Group-TIGA-951-One-Part-Silver-Conductive-Epoxy-System.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.10 g/cc	2.10 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	76	76	
Shear Strength	>= 10.3 MPa	>= 1500 psi	Cured 10 minutes at 120°C, Al/Al (etched)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.00020 ohm-cm	0.00020 ohm-cm	cured 10 minutes at 120°C

Processing Properties	Metric	English	Comments
Cure Time	>= 10.0 min @Temperature 120 °C	>= 0.167 hour @Temperature 248 °F	

Descriptive Properties	Value	Comments
Color	Silver	
Viscosity	Smooth paste	After mixing

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