

## Resin Technology Group TIGA 920H Flexible Silver Conductive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

### Material Notes:

100 parts resin to 115 parts hardener. TIGA 920-H is a flexible, conductive silver filled epoxy adhesive. It is recommended for bonding, and sealing electronic applications that require high flexibility, conductivity, and mechanical performance. This smooth paste formulation of pure silver and epoxy is free of solvents and extraneous additives. It develops strong, durable, electrically and thermally conductive bonds between many dissimilar materials including metals, ceramics and plastic laminates. TIGA 920-H cures at room temperature and can be used as a flexible "cold solder" for heat sensitive parts. It can also be used in the assembly and repair of flexible circuits, electrical components and electronic shielding. Information provided by Resin Technology Group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resin-Technology-Group-TIGA-920H-Flexible-Silver-Conductive.php](http://www.lookpolymers.com/polymer_Resin-Technology-Group-TIGA-920H-Flexible-Silver-Conductive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.90 g/cc	2.90 g/cc	
Solids Content	100 %	100 %	Reactive

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	
Shear Strength	>= 3.45 MPa	>= 500 psi	Lap, Au/Au
	>= 3.45 MPa	>= 500 psi	Lap, Kaptona
	>= 6.89 MPa	>= 1000 psi	Lap, Al/Al

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.55 W/m-K	10.7 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	110 °C	230 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.0010 ohm-cm	<= 0.0010 ohm-cm	Cured 2 hours at 65°C
	<= 0.0010 ohm-cm	<= 0.0010 ohm-cm	Cured 1 hour at 110°C
	0.050 ohm-cm	0.050 ohm-cm	Cured 12-24 hours at 25°C

Processing Properties	Metric	English	Comments
	180 min	180 min	

Processing Properties	Metric	English	Comments
	@ Temperature 25.0 °C	@ Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Silver	
Viscosity	Smooth paste	

## Contact Songhan Plastic Technology Co.,Ltd.

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