

## Resin Technology Group TIGA 905 One-Part Silver Conductive Epoxy System

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

### Material Notes:

Cure 6 minutes at 130°C or 3 minutes at 150°C. TIGA 905 is a stress-absorbing and electrically conductive, silver-filled epoxy adhesive recommended for solder replacement in microelectronic interconnect 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. TIGA 905 is screen printable, and capable of in line surface mount component attach assembly operations. Information provided by Resin Technology Group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resin-Technology-Group-TIGA-905-One-Part-Silver-Conductive-Epoxy-System.php](http://www.lookpolymers.com/polymer_Resin-Technology-Group-TIGA-905-One-Part-Silver-Conductive-Epoxy-System.php)

Physical Properties	Metric	English	Comments
Specific Gravity	3.60 g/cc	3.60 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Shear Strength	10.3 MPa	1500 psi	Cured 6 minutes at 130°C, Al/Al

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	0.00040 ohm-cm	0.00040 ohm-cm	Cured 6 minutes at 130°C

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	
	@Temperature 150 °C	@Temperature 302 °F	
Pot Life	6.00 min	0.100 hour	
	@Temperature 130 °C	@Temperature 266 °F	
Pot Life	1440 min	1440 min	

Descriptive Properties	Value	Comments
Color	Silver	

Viscosity  
Descriptive Properties

Smooth paste  
Value

After mixing  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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