

## Tra-Con Tra-Duct 2979 Microelectronic Conductive Epoxy Adhesive

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

### Material Notes:

TRA-DUCT 2979 is a fast curing one-part epoxy adhesive with superior electrical conductivity and bonding capability. It has been shown to retain these properties through hundreds of hours of rapid temperature cycling (-40 to 150°C). It also has superior impact absorption and stress resistance. These qualities make it an excellent choice for a number of electronic applications especially in "under the hood" and other harsh operating environments. TRA-DUCT 2979 has a shelf life of at least 6 months when stored at -40°C. It contains no volatile, harmful solvents or lead, and conforms to all of the requirements of the solder replacement market. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Duct-2979-Microelectronic-Conductive-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Duct-2979-Microelectronic-Conductive-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Viscosity	65000 cP @Temperature 25.0 °C	65000 cP @Temperature 77.0 °F	Mixed (cp #52, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	
Adhesive Bond Strength	12.1 MPa	1750 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	45.0 °C	113 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.00030 ohm-cm	0.00030 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 150 °C	0.167 hour @Temperature 302 °F	
	60.0 min @Temperature 125 °C	1.00 hour @Temperature 257 °F	

Descriptive Properties	Value	Comments
Color	Silver	
Outgassing, NASA	Passes	
Thixotropic Index	3.4	5 rpm/50 rpm

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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