

Tra-Con Tra-Bond 293-14 Electrically Conductive Silver-Filled Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy, Electrically Conductive , Filled/Reinforced Thermoset

Material Notes:

TRA-BOND 293-14 silver-filled, electrically conductive epoxy adhesive is designed to provide strong bonds to difficult-to-bond metals, such as nickel, copper, gold and solder. The stress-absorbing characteristic of TRA-BOND 293-14 makes it suitable for bonding adherends with mismatched coefficients of thermal expansion. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-293-14-Electrically-Conductive-Silver-Filled-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.40 g/cc	2.40 g/cc	Mixed

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	15.2 MPa	2200 psi	Lap shear, alum to alum, @ 25°C
	17.2 MPa	2500 psi	Lap shear, gold to gold, @ 25°C

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	Below Tg
	200 µm/m-°C	111 µin/in-°F	Above Tg
Thermal Conductivity	1.70 W/m-K	11.8 BTU-in/hr-ft²-°F	
Glass Transition Temp, Tg	57.0 °C	135 °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	30.0 min	0.500 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	60.0 min	1.00 hour	
	@Temperature 125 °C	@Temperature 257 °F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Silver Value	Comments
Weight Loss %	0.25	At 250°C
Working Life hours	4	At 25°C

Contact Songhan Plastic Technology Co.,Ltd.

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