

Tra-Con Tra-Duct 8205 One-Part Electrically Conductive Silver-Filled Epoxy

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

Material Notes:

TRA-DUCT 8205 is an electrically conducting silver-filled epoxy compound recommended for electronic bonding and sealing applications that require a combination of excellent mechanical and electrical properties. TRA-DUCT 8205 is a one-part system ideal for high speed manufacturing in the microelectronic, automotive, computer and telecommunications assembly and packaging industries. TRA-DUCT 8205 provides high electrical and thermal conductivity along with excellent adhesion to numerous substrate materials making it excellent for chip/die bonding or heat sink attach. Typical applications include high speed component attachment of electronic modules, printed circuit board assembly and high frequency shielding, when screen printing or automatic dispensing is desired. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Duct-8205-One-Part-Electrically-Conductive-Silver-Filled-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	16000 cP	16000 cP	Mixed (cp #52, 5 rpm)

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	9.65 MPa	1400 psi	Lap shear, alum to alum, 1 hr @ 150°C

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	88.0 °C	190 °F	Ultimate Tg, cured 1 hr @ 150°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.00030 ohm-cm @Temperature 150 °C	0.00030 ohm-cm @Temperature 302 °F	

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

Descriptive Properties	Value	Comments
Color	Silver	

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