

Tra-Con Tra-Duct 2916T Room Temperature Conductive Silver Epoxy Adhesive

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

Material Notes:

TRA-DUCT 2916T is an electrically conductive, silver-filled epoxy formulation recommended for electronic bonding, coating, and sealing applications that require high flexibility coupled with good electrical and mechanical properties. This two-part, smooth paste adhesive of refined pure silver and epoxy resin components is free of solvents and copper or carbon additives. It develops strong, durable, resilient, electrically and thermally conducting bonds and coatings between many different and dissimilar materials such as metals, ceramics, glass and plastic insulates. TRA-DUCT 2916T cures at room temperature and can be used as a flexible "cold-solder" for heat-sensitive components where hot-soldering is impractical. It also can be used for the assembly and repair of electrical modules, flexible circuits, wave guides, flat cable and high frequency shields. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Duct-2916T-Room-Temperature-Conductive-Silver-Epoxy-Adhesive.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.50 W/m-K	10.4 BTU-in/hr-ft ² -°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	0.0070 ohm-cm	0.0070 ohm-cm	cured 2 hrs @ 65°C

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Silver	
Mix Ratio, parts by weight	100/115	Resin/Hardener

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