

Atom Adhesives AA-DUCT 916 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-DUCT 916 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. AA-DUCT 916 is two-part, smooth paste adhesive of refined pure silver and epoxy resin components. It 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. AA-DUCT 916 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. Appearance: Silver Cure Type: Heat cure or Room temperature Mix Ratio by weight: 100:115/Resin:Hardener Benefits: High strength Perfect bond Cold solder for heat sensitive components Substrates: Excellent choice aluminum, copper, magnesium, steel, bronze, nickel, kovar, ceramic, glass, phenolic and G-10 epoxy glass boards. Typical Application: It can be used as a flexible "cold-solder" for heat-sensitive components where hot-soldering is impractical. The assembly and repair of electrical modules, flexible circuits, wave guides, flat cable and high frequency shields. Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-DUCT-916-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.85 g/cc	2.85 g/cc	uncured
Solids Content	100 %	100 %	reactive, uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	cured

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	
Glass Transition Temp, Tg	5.00 °C	41.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.00010 ohm-cm	<= 0.00010 ohm-cm	cured

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 240 min	1.00 - 4.00 hour	

Processing Properties	@Temperature 65.0 °C Metric	@Temperature 149 °F English	Comments
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	180 min	180 min	uncured
Shelf Life	12.0 Month	12.0 Month	uncured

Descriptive Properties	Value	Comments
Viscosity	Paste	uncured

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China