

Atom Adhesives AA-DUCT 902 Epoxy Adhesive and Coating

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-DUCT 902 is an epoxy adhesive and coating formulation based on pure silver. This versatile silver formulation offers the maximum continuity of conductivity with an electrical resistivity value of less than 0.4 ohm-cm. AA-DUCT 902 is also characterized by a wide operating temperature range from -50 to +170°C. AA-DUCT 902 is recommended for electronic bonding and sealing applications that require both fine electrical and mechanical properties. Appearance: Silver Cure Type: Heat cure or Room temperature Benefits: High strength Perfect bond Cold solder for heat sensitive components Mix Ratio by weight: 100:5/Resin: Hardener Substrates: Excellent choice aluminum, copper, magnesium, steel, bronze, nickel, kovar, ceramic, glass, phenolic and G-10 epoxy glass boards. Typical Applications: Electrical, conductive, rmi/efi shielding, circuitry, printed circuit board and electronics repair Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-DUCT-902-Epoxy-Adhesive-and-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.79 g/cc	2.79 g/cc	mixed, uncured
Solids Content	100 %	100 %	reactive, uncured
Linear Mold Shrinkage	0.00030 cm/cm	0.00030 in/in	Cured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	Cured
Tensile Strength	65.5 MPa	9500 psi	Cured
Compressive Strength	96.5 MPa	14000 psi	Cured
Shear Strength	64.8 MPa	9400 psi	Lap, Cured

Thermal Properties	Metric	English	Comments
CTE, linear	1.50 µm/m-°C	0.833 µin/in-°F	Cured
Thermal Conductivity	14.4 W/m-K	100 BTU-in/hr-ft ² -°F	Cured
Maximum Service Temperature, Air	170 °C	338 °F	
Heat Distortion Temperature	95.0 °C	203 °F	Cured
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	<= 0.000100 ohm-cm	<= 0.000100 ohm-cm	Cured

Volume Resistivity Electrical Properties	≤ 0.00010 ohm-cm Metric	≤ 0.00010 ohm-cm English	Cured Comments
---	---------------------------------	----------------------------------	-------------------

Processing Properties	Metric	English	Comments
Cure Time	2.00 - 5.00 min	0.0333 - 0.0833 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	15.0 min	0.250 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	45.0 min	0.750 hour	
	@Temperature 50.0 °C	@Temperature 122 °F	
	1440 min	24.0 hour	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Pot Life	60.0 min	60.0 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