

Master Bond EP79 Two Component, Silver Coated, Nickel Filled Conductive Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy, Electrically Conductive

Material Notes:

Master Bond Polymer System EP79 is a two component, silver coated, nickel filled, electrically conductive adhesive for high performance bonding and sealing formulated to cure at room temperature or more rapidly at elevated temperatures. The conductive bonds are remarkably adaptable to thermal cycling and resistant to chemicals including water and oil, over the exceptionally wide temperature range of 4 K to +275°F, enabling it to be serviceable even in cryogenic applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Master-Bond-EP79-Two-Component-Silver-Coated-Nickel-Filled-Conductive-Epoxy.php

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	>= 5.52 MPa	>= 800 psi	After 30 days water immersion
	>= 5.86 MPa	>= 850 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Peel Strength	>= 1.75 kN/m	>= 10.0 pli	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.30 W/m-K	9.00 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-269 °C	-452 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.010 ohm-cm	<= 0.010 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 93.3 °C	@Temperature 200 °F	
	1440 - 2880 min	24.0 - 48.0 hour	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Pot Life	45 - 60 min	45 - 60 min	100 gm mass
Shelf Life	3.00 Month	3.00 Month	syringe
	6.00 Month	6.00 Month	glass jar

Descriptive Properties	Value	Comments
Mixing Ratio (A to B)	1/1	
Viscosity	smooth paste	

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