

Master Bond EP79FL Two Component Silver Nickel Conductive Epoxy Adhesive

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

Material Notes:

Master Bond Polymer System EP79FL is a two component, silver-coated nickel, electrically conductive system for high performance bonding and sealing. Its most salient features are its high flexibility and elongation. EP79FL is highly flexible and is easier to remove than most silver-coated nickel epoxies, making it well suited for repair type applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Master-Bond-EP79FL-Two-Component-Silver-Nickel-Conductive-Epoxy-Adhesive.php

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 60 %	>= 60 %	
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	>= 3.51 kN/m	>= 20.0 pli	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.59 W/m-K	11.0 BTU-in/hr-ft²-°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 - 180 min	2.00 - 3.00 hour	
	@Temperature 65.6 °C	@Temperature 150 °F	
	1440 - 2880 min	24.0 - 48.0 hour	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Pot Life	60 - 75 min	60 - 75 min	100 gm mass
	75 - 90 min	75 - 90 min	50 gm mass
Shelf Life	3.00 Month	3.00 Month	syringe
	6.00 Month	6.00 Month	glass jar

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

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