

## Master Bond EP21TDCSFL Flexible Two Component Silver Conductive Epoxy

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

### Material Notes:

Master Bond Polymer System EP21TDCSFL is a two component, silver filled, electrically conductive system for high performance bonding and sealing formulated to cure at room temperature or more rapidly at elevated temperatures. Its most salient features are its high flexibility and elongation. This easy to handle two part silver conductive epoxy has a one-to-one mix ratio, by weight or volume. Its high flexibility combined with its inherently low shrinkage enables the cured system to exert very little mechanical stress on sensitive components and substrates

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Master-Bond-EP21TDCSFL-Flexible-Two-Component-Silver-Conductive-Epoxy.php](http://www.lookpolymers.com/polymer_Master-Bond-EP21TDCSFL-Flexible-Two-Component-Silver-Conductive-Epoxy.php)

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 60 %	>= 60 %	
Adhesive Bond Strength	>= 5.52 MPa	>= 800 psi	shear, Al/Al, after 30 days water immersion
	>= 5.86 MPa	>= 850 psi	shear, Al/Al
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-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-269 °C	-452 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.0010 ohm-cm	<= 0.0010 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	120 - 180 min	2.00 - 3.00 hour	
	@Temperature 65.6 °C	@Temperature 150 °F	
Pot Life	1440 - 2880 min	24.0 - 48.0 hour	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Shelf Life	60 - 75 min	60 - 75 min	100 gram mass
	75 - 90 min	75 - 90 min	50 gram mass
Shelf Life	3.00 Month	3.00 Month	in syringe

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

## Contact Songhan Plastic Technology Co.,Ltd.

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