

Parker Chomerics CHO-BOND 1038 Conductive Silicone RTV Adhesive

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Electrically conductive, one component silicone adhesive/sealant that may be used for bonding EMI gaskets or for providing EMI and environmental protection as a caulk. This material cures on exposure to atmospheric moisture, and contains no acetic acid or other corrosive agents. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-BOND-1038-Conductive-Silicone-RTV-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.20 - 3.90 g/cc	3.20 - 3.90 g/cc	
Volatile Organic Compounds (VOC) Content	117 g/l	117 g/l	
Thickness	>= 178 microns	>= 7.00 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 55	>= 55	
Shear Strength	1.03 MPa	150 psi	Lap; 2.5cm aluminum strips, 13mm overlap, 0.25mm thick adhesive layer
Peel Strength	0.440 kN/m	2.51 pli	12.7mm bond width on aluminum strips 0.127mm thick pulled at 51 cm/min

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

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

Processing Properties	Metric	English	Comments
Cure Time	10100 min	168 hour	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
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Consistency Descriptive Properties	Medium Paste Value	Comments
Coverage	10.6 cm ² / g	
	50	(3.2mm diam. Bead) ft/lb
Mix Ratio	1-part	
Working Life	0.5 hr	

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