

Parker Chomerics CHO-FORM 5526 EMI Shielding Material

Category : Polymer , Adhesive

Material Notes:

Description: A range of conductive particle technologies combined with thermoset and RTV silicone systems provide a material selection for most opportunities. Multiple filler grades balance material cost versus performance and can provide low cost alternatives for less demanding applications. Chomerics corrosion resistant materials inherently provide protection against galvanic activity. They may eliminate the need for nickel or tin plating and or secondary environmental gaskets. Chomerics general purpose materials exhibit excellent electrical and mechanical properties on metallic and shield plastic housing. Chomerics silver filled materials provide high shielding and conductivity critical for inter-compartmental shields. CHOFORM delivers a greater deflection range, lower deflection forces & improved reliability. **Features:** Lower deflection forces and a broad deflection range, Corrosion resistant materials can eliminate plating or secondary environmental gasket, Good adhesion to many substrates, Supply chain management providing ongoing logistics, Low cost and rapid prototyping and High conductivity, Excellent Grounding and Shielding. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-FORM-5526-EMI-Shielding-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.60 g/cc	3.60 g/cc	ASTM D792
Deformation	30 %	30 %	26.3 N/cm; ASTM D575 Modified

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	38	38	ASTM D2240
Tensile Strength at Break	0.552 MPa	80.0 psi	ASTM D412
Elongation at Break	75 %	75 %	ASTM D412
Compression Set	45 % @Temperature 70.0 °C, Time 79200 sec	45 % @Temperature 158 °F, Time 22.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 °C	185 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0030 ohm-cm	0.0030 ohm-cm	Chomerics MAT-1002
Shielding Effectiveness	>= 100 dB @Frequency 2.00e+8 -	>= 100 dB @Frequency 2.00e+8 -	Modified IEEE-299

Electrical Properties	1.20e+10 Hz Metric	1.20e+10 Hz English	Comments
Processing Properties	Metric	English	Comments
Cure Time	18.0 min @Temperature 22.0 °C	0.300 hour @Temperature 71.6 °F	50% RH; Handling Time
	240 min @Temperature 22.0 °C	4.00 hour @Temperature 71.6 °F	50% RH; Tack Free Time
	1440 min @Temperature 22.0 °C	24.0 hour @Temperature 71.6 °F	50% RH; Full Cure
Shelf Life	6.00 Month @Temperature 17.0 - 27.0 °C	6.00 Month @Temperature 62.6 - 80.6 °F	Chomerics

Descriptive Properties	Value	Comments
Adhesion	9 N/cm	Trivalent Chromate Coating on Aluminum, Chomerics WI 1038
Cure Mechanism	Moisture	
Filler	Ag	
Number of Components	1	
Resin System	Silicone	

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