

Parker Chomerics CHOFORM® 5550 Conductive Form-in-Place Gasket

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

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 Soft Ni/C, Corrosion Resistant. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHOFORM-5550-Conductive-Form-in-Place-Gasket.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.20 g/cc	2.20 g/cc	ASTM D395

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	ASTM D2240
Tensile Strength	1.21 MPa	175 psi	ASTM D412
Elongation at Break	175 %	175 %	ASTM D412
Tensile Impact	17.3 J/cm	32.4 ft-lb/in	Force Deflection at 30%; ASTM D575 Modified
Compression Set	25 % @Temperature 70.0 °C, Time 79200 sec	25 % @Temperature 158 °F, Time 22.0 hour	ASTM D395, Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.035 ohm-cm	0.035 ohm-cm	Chomerics MAT-1002
Shielding Effectiveness	<= 65 dB	<= 65 dB	Modified IEEE-299

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	Tack Free Time
	@Temperature 150 °C	@Temperature 302 °F	
	30.0 min	0.500 hour	Handling Time
	@Temperature 150 °C	@Temperature 302 °F	
	30.0 min	0.500 hour	Full Cure
	@Temperature 150 °C	@Temperature 302 °F	
Shelf Life	6.00 Month	6.00 Month	Chomerics
	@Temperature -12.0 - -8.00 °C	@Temperature 10.4 - 17.6 °F	

Descriptive Properties	Value	Comments
Adhesion	12 N/cm	Trivalent Chromate Coating on Aluminum, Chomerics WI 1038
Binder	Silicone	
Corrosion Resistance	20	Galvanic Resistance Against Aluminum
Cure System	Thermal	
Filler	Ni/C	
Number of Components	1	
Resin System	Silicone	

Contact Songhan Plastic Technology Co.,Ltd.

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