

Parker Chomerics CHO-SEAL 1298 EMI Shielding Material

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

Material Notes:

Corrosion Resistant EMI Shielding Gasket. Through the use of new proprietary particle painting and elastomer compounding technology, CHO-SEAL® 1298 shielding elastomer offers a six-fold increase in corrosion resistance over products previously available. In fact, a virtually corrosion-proof EMI flange system is obtained when CHO-SEAL 1298 gaskets are used in conjunction with Chomerics CHO-SHIELD® 2000 series corrosion resistant coatings on aluminum flanges. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1298-EMI-Shielding-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 2.25 g/cc	1.75 - 2.25 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63 - 77	63 - 77	ASTM D2240
Tensile Strength at Break	>= 1.24 MPa	>= 180 psi	ASTM D412
Elongation at Break	60 - 260 %	60 - 260 %	ASTM D412
Tear Strength	6.13 kN/m	35.0 pli	ASTM D624
Compression Set	<= 30 % @Temperature 100 °C, Time 252000 sec	<= 30 % @Temperature 212 °F, Time 70.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.20 W/m-K @Pressure 2.07 MPa	8.33 BTU-in/hr-ft ² -°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	Flex TR10; ASTM D1329

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.012 ohm-cm	<= 0.012 ohm-cm	MIL-DTL-83528
	<= 0.015 ohm-cm	<= 0.015 ohm-cm	Life Test/Post Tensile; MIL-DTL-83528 Para.4.6.12
Shielding Effectiveness	>= 55 dB @Frequency 200000 Hz	>= 55 dB @Frequency 200000 Hz	H Field; MIL-DTL-83528 Para.4.6.12

Electrical Properties	≥ 75 dB Metric	≥ 75 dB English	Comments
	@Frequency 4.00e+10 Hz	@Frequency 4.00e+10 Hz	Para.4.6.12 MIL-DTL-83528
	≥ 90 dB @Frequency 1.00e+10 Hz	≥ 90 dB @Frequency 1.00e+10 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	≥ 95 dB @Frequency 2.00e+9 Hz	≥ 95 dB @Frequency 2.00e+9 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	≥ 100 dB @Frequency 5.00e+8 Hz	≥ 100 dB @Frequency 5.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12
	≥ 110 dB @Frequency 1.00e+8 Hz	≥ 110 dB @Frequency 1.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12

Descriptive Properties	Value	Comments
Binder	Fluorosilicone	
EMP Survivability	>0.9 kA / in	MIL-DTL-83528 Para.4.6.16
Filler	Passivated Ag/Al	
Gravimetric Weight Loss, mg	3.5	
Heat Aging	<0.015 ohm-cm	MIL-DTL-83528 Para.4.6.15
Type	D	MIL-DTL-83528
Vibration Resistance, After	<0.012 ohm-cm	MIL-DTL-83528 Para.4.6.13
Vibration Resistance, During, ohm-cm max	<0.015 ohm-cm	MIL-DTL-83528 Para.4.6.13

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China