

Parker Chomerics SOFT-SHIELD® 3700 High Temperature Conductive Fabric Over Foam

Category : Polymer

Material Notes:

Description: SOFT-SHIELD® 3700 fabric over foam [fof], is a low-closure force EMI gasket rated to be used in high temperature applications (maximum temperature 125°C). This enables fabric over foam type gaskets to be used in applications where temperature requirements are greater than 70°C the products takes a major compression set. The SOFT-SHIELD® 3700 material fits a need in the automotive market place for a low cost. Low closure force, high temperature EMI/ESD gasketing. It is ideal for medical and military applications that require EMI shielding in higher temperatures. It is also ideal for IT and telecom applications that have been pushing 85°C operating temperatures. Product Applications: Used between faceplates on blade cards, Panel seals, Cover seal, Door seals, Grounding tabs, EMI Window/vent seals and improved ground paths. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-SOFT-SHIELD-3700-High-Temperature-Conductive-Fabric-Over-Foam.php

Physical Properties	Metric	English	Comments
Deformation	10 %	10 %	.75 pli, 1" long part with 1"x 1" Ag probe
	10 %	10 %	12 mOhm/li, 1" long part with 1"x 1" Ag probe
	20 %	20 %	1 pli, 1" long part with 1"x 1" Ag probe
	20 %	20 %	10 mOhm/li, 1" long part with 1"x 1" Ag probe
	30 %	30 %	2 pli, 1" long part with 1"x 1" Ag probe
	30 %	30 %	9 mOhm/li, 1" long part with 1"x 1" Ag probe
	20 - 50 %	20 - 50 %	Recommended
	35 %	35 %	<1 ppi, .105" x .5" gasket; ASTM C165
	40 %	40 %	3 pli, 1" long part with 1"x 1" Ag probe
	40 %	40 %	8 mOhm/li, 1" long part with 1"x 1" Ag probe
	50 %	50 %	4.5 pli, 1" long part with 1"x 1" Ag probe
	50 %	50 %	8 mOhm/li, 1" long part with 1"x 1" Ag probe
	60 %	60 %	10 pli, 1" long part with 1"x 1" Ag probe
	60 %	60 %	6 mOhm/li, 1" long part with 1"x 1" Ag probe

Mechanical Properties	Metric	English	Comments
Peel Strength	2.00 kN/m	11.4 pli	90° Acrylic Adhesive; ASTM D1000
Compression Set	<= 7.0 %	<= 7.0 %	ASTM D3574

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Shielding Effectiveness	>= 100 dB @Frequency 5.00e+7 - 1.00e+10 Hz	>= 100 dB @Frequency 5.00e+7 - 1.00e+10 Hz	CHO-TM-TP08

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