

Parker Chomerics SOFT-SHIELD® 4850-STRIP Low-Closure Force Strip Gasket

Category : Polymer

Material Notes:

Description: SOFT-SHIELD® 4850-STRIP multi-planar, Z-axis conductive strip gaskets are a new, convenient form of the successful 4850 EMI sheet gasket. These strip gaskets provide EMI shielding in the range of 70-80 dB, along with lower closure force, lower compression set and up to 20% lower cost than fabric-over-foam gaskets.
Product Application: Panel seals, Cover seals, Grounding pads, Door seals, Desktop/laptop computers, Entertainment systems, CD/Receiver head units, Roadside Assistance systems and Satellite radio receivers.
Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-SOFT-SHIELD-4850-STRIP-Low-Closure-Force-Strip-Gasket.php

Physical Properties	Metric	English	Comments
Deformation	5.0 %	5.0 %	65 mOhm/sq in, at .05 in/min, 1 sq in area sample, 1mm
	5.0 %	5.0 %	50 mOhm/sq in, at .05 in/min, 1 sq in area sample, 3mm
	5.0 %	5.0 %	70 mOhm/sq in, at .05 in/min, 1 sq in area sample, 5mm
	15 %	15 %	20 mOhm/sq in, at .05 in/min, 1 sq in area sample, 1mm
	15 %	15 %	30 mOhm/sq in, at .05 in/min, 1 sq in area sample, 3mm
	15 %	15 %	60 mOhm/sq in, at .05 in/min, 1 sq in area sample, 5mm
	30 %	30 %	22 mOhm/sq in, at .05 in/min, 1 sq in area sample, 1mm
	30 %	30 %	30 mOhm/sq in, at .05 in/min, 1 sq in area sample, 3mm
	30 %	30 %	50 mOhm/sq in, at .05 in/min, 1 sq in area sample, 5mm
	45 %	45 %	19 mOhm/sq in, at .05 in/min, 1 sq in area sample, 1mm
	45 %	45 %	25 mOhm/sq in, at .05 in/min, 1 sq in area sample, 3mm
	45 %	45 %	60 mOhm/sq in, at .05 in/min, 1 sq in area sample, 5mm
	25 %	25 %	ASTM C165 Mod
	@Pressure 0.0172 MPa	@Pressure 2.50 psi	
	50 %	50 %	ASTM C165 Mod
	@Pressure 0.0296 MPa	@Pressure 4.30 psi	

Physical Properties	Metric	English	Comments
Mechanical Properties	Metric	English	Comments
Tensile Strength	0.0683 MPa	9.90 psi	ASTM D412
	@Thickness 3.00 mm	@Thickness 0.118 in	
Compression Set	<= 15 %	<= 15 %	Gasket; ASTM D3574

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 °C	158 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Shielding Effectiveness	65 dB	65 dB	4mm x 6mm
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	65 dB	65 dB	5mm x 5mm
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	70 dB	70 dB	2mm x 6mm
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	75 dB	75 dB	1mm x 6mm
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	75 dB	75 dB	4mm x 6mm
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
	70 - 80 dB	70 - 80 dB	CHO-TM-TP08
	@Frequency 2.00e+7 - 1.00e+10 Hz	@Frequency 2.00e+7 - 1.00e+10 Hz	
	78 dB	78 dB	5mm x 5mm
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
	79 dB	79 dB	5mm x 5mm
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	

Electrical Properties	80 dB Metric	80 dB English	Comments
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	1mm x 6mm
	80 dB	80 dB	
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	2mm x 6mm
	81 dB	81 dB	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	2mm x 6mm
	82 dB	82 dB	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	1mm x 6mm
	88 dB	88 dB	
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	4mm x 6mm

Descriptive Properties	Value	Comments
Adhesive Peel Strength	ASTM D1000 (Modified to 90° peel)	

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