

SOFT-SHIELD® 4850-STRIP

UL 94 V-0 Certified, Multi-planar, Low-Closure Force
EMI Strip Gaskets



Customer Value Proposition:

SOFT-SHIELD® 4850-STRIP multi-planar, Z-axis conductive strip gaskets are a new, and convenient form of the successful 4850 EMI sheet gasket. These strip gaskets provide EMI shielding in the range of 70-80dB, along with lower closure force, lower compression set and up to 20% lower cost than fabric-over-foam gaskets.

Through optimization of conductive silver plated fiber construction, loading and dispersion within the closed cell urethane foam matrix, SOFT-SHIELD 4850-STRIP gaskets provide high Z-axis conductivity with extremely short ground paths. Since the integrity of the base foam is uncompromised, SOFT-SHIELD 4850-STRIP gaskets offer exceptional physical and mechanical properties.

They are ideal for use as shielding gaskets for backplanes, connectors, access panels and as grounding interfaces. Gaskets are provided in standard widths in convenient 2-foot (610mm) lengths. Custom sizes are available.

Contact Information:

Parker Hannifin Corporation
Chomerics Division
77 Dragon Court
Woburn, MA 01801

phone 781 935 4850
fax 781 933 4318
chomailbox@parker.com

www.chomerics.com
www.parker.com/chomerics



Product Features:

- Conveniently pre-cut strips are ready to apply
- Electrically conductive pressure sensitive adhesive acrylic (PSA) optimizes gasket adhesion and electrical interface resistance
- Excellent compression set properties as compared to traditional conductive foam
- Very low closure force required
- Stable electrical performance (through resistance) after multiple closure cycles.
- RoHs compliant and UL94 V-0 flammability rating
- At low deflection (5%) 4850-STRIP demonstrates optimal electrical performance.

Typical Applications:

- Panel Seals
- Cover Seals
- Grounding Pads
- Door Seals
- Desktop/Laptop computers
- Entertainment Systems
- CD/Receiver Head Units
- Roadside Assistance Systems
- Satellite Radio Receivers

SOFT-SHIELD® 4850 Strip Gasket- Product Information

Table 1 - Typical Properties

Typical Properties	SOFT-SHIELD® 4850-STRIP	Test Method
Compression-Deflection 3mm Thick sample	25% - 2.5 psi (17.2 kPa) 50% - 4.3 psi (29.6 kPa)	ASTM C165 (Mod.)
Shielding Effectiveness 20MHz to 10 GHZ	Average: 70-80 (dB)	CHO-TM-TP08
Gasket Compression Set	<15%	ASTM D3574
Tensile Strength 3mm Thick sample	9.9 lbs./in ² psi (68.3 kPa)	ASTM D412 (Modified)
Electrically Conductive Acrylic PSA Peel Strength	15 oz./inch	ASTM D1000 (Modified to 90° peel)
Flammability	V-0	UL 94
Operating Temperature	-40° to 70° C	--

Table 2 - Standard Parts

	Thickness (mm)					
	1.0	1.5	2.0	3.0	4.0	5.0
Width (mm)	2.5	2.5	2.5	2.5	N/A	N/A
	3.0	3.0	3.0	3.0	3.0	N/A
	4.0	4.0	4.0	4.0	4.0	4.0
	4.5	4.5	4.5	4.5	4.5	4.5
	5.0	5.0	5.0	5.0	5.0	5.0
	6.0	6.0	6.0	6.0	6.0	6.0
	6.5	6.5	6.5	6.5	6.5	6.5
	7.0	7.0	7.0	7.0	7.0	7.0
	8.0	8.0	8.0	8.0	8.0	8.0
	9.0	9.0	9.0	9.0	9.0	9.0
	10.0	10.0	10.0	10.0	10.0	10.0
	12.0	12.0	12.0	12.0	12.0	12.0
	13.0	13.0	13.0	13.0	13.0	13.0
	15.0	15.0	15.0	15.0	15.0	15.0

Custom widths and lengths available Contact Parker Chomerics with inquiries.

Figure 1

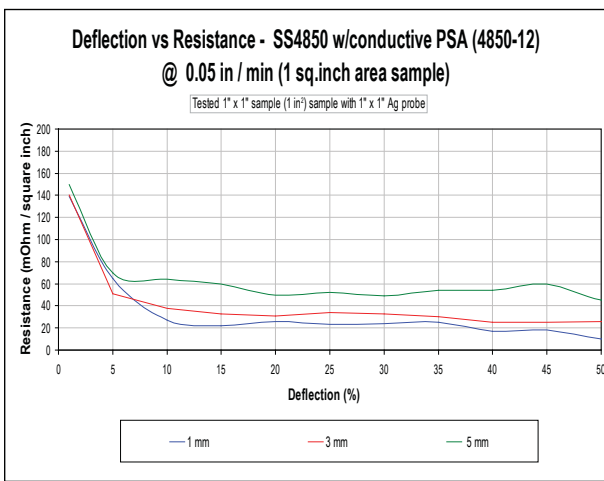
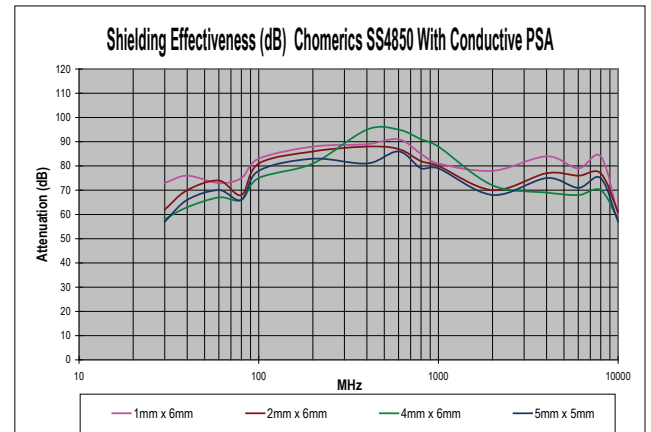
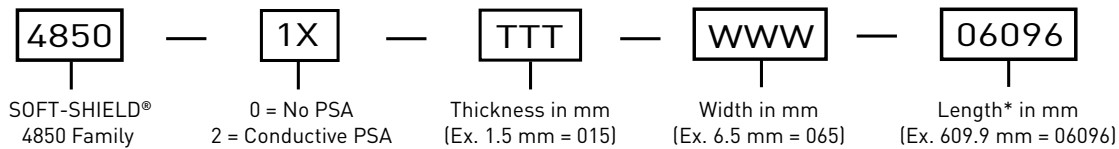


Figure 2



ORDERING INFORMATION:

Table 3 - Part Numbering



EXAMPLE: 4850-12-015-065-06096 = 4850-STRIP part with a conductive PSA and dimensions of 1.5 mm thick by 6.5 mm wide by 606.9 mm long.
* Length in mm not to exceed 606.9 mm

www.chomerics.com
www.parker.com/chomerics

CHOMERICS and SOFT-SHIELD are registered trademarks of Parker Hannifin Corporation. © 2010

TB 1041 EN April 2012 Rev B



ENGINEERING YOUR SUCCESS.