

CONDUCTIVE FABRIC OVER FOAM GASKETS - C-F FOF AO/A1



DATASHEET



PRODUCT DESCRIPTION:

- EMI gaskets are electrically conductive polyester fabric wrapped around a low compression force PU foam.
- The combination of Nickel & Copper (Ni/Ci) woven metal fibers provides excellent conductivity and shielding effectiveness (>80dB) over 100KHz to 1GHz frequency range.
- Supplied with either a Conductive or Non-Conductive pressure sensitive adhesive (PSA).

- Highly conductive to provide good EMI shielding and grounding.
- Very soft for Low Compression Force applications, allows use of lighter materials.
- Nickel/Copper fiber ensures good oxidation and corrosion resistance / galvanic compatibility with a wide range of plated and stainless-steel surfaces.
- Flame Retardant gaskets available – UL94 HB and UL94 V0 flammability rating.
- Abrasion resistant fabric, high reliability and virtually no degradation in shielding performance after 1 million cycles.
- Broad range of cross-section profiles available to suit specific applications – D-shape, Rectangle, Bell, Square (see part numbers).
- Gaskets can be supplied cut to length ready for assembly.
- Halogen-free products available upon request.

APPLICATIONS

- Medical equipment, Cabinet applications
- Plasma PDP and LCD TV / Displays
- Broadcast & Communications equipment
- Mobile Phones, Notebook, Laptop & Desktop Computers
- X-Ray equipment
- Enclosures – Server racks, Data Cabinets
- Access Control Units
- Military & Aerospace equipment.

PROPERTIES	C-F FOF AO/A1	UNIT	TEST METHOD
Shielding Efficiency (100KHz – 1GHz)	≥80	dB	-
Abrasion Resistance	1,000,000	Cycles	-
Surface Impedance	<0.05	Ohm	-
Fire-Proof Level (Flammability Rating)	UL94 HB & UL94 V0	-	IEC 60695-11-10 UL 94
Hazardous Substance	RoHS Compliant	-	Pass

Halogen-free products available on request

NOTES

- Customised shapes are available
- The above performance data is tested in an environment of 70% humidity, temperature 25 °C
- This data is intended for reference purposes only. It is recommended that the material is tested to fully evaluate its performance ensuring it is fit for purpose.

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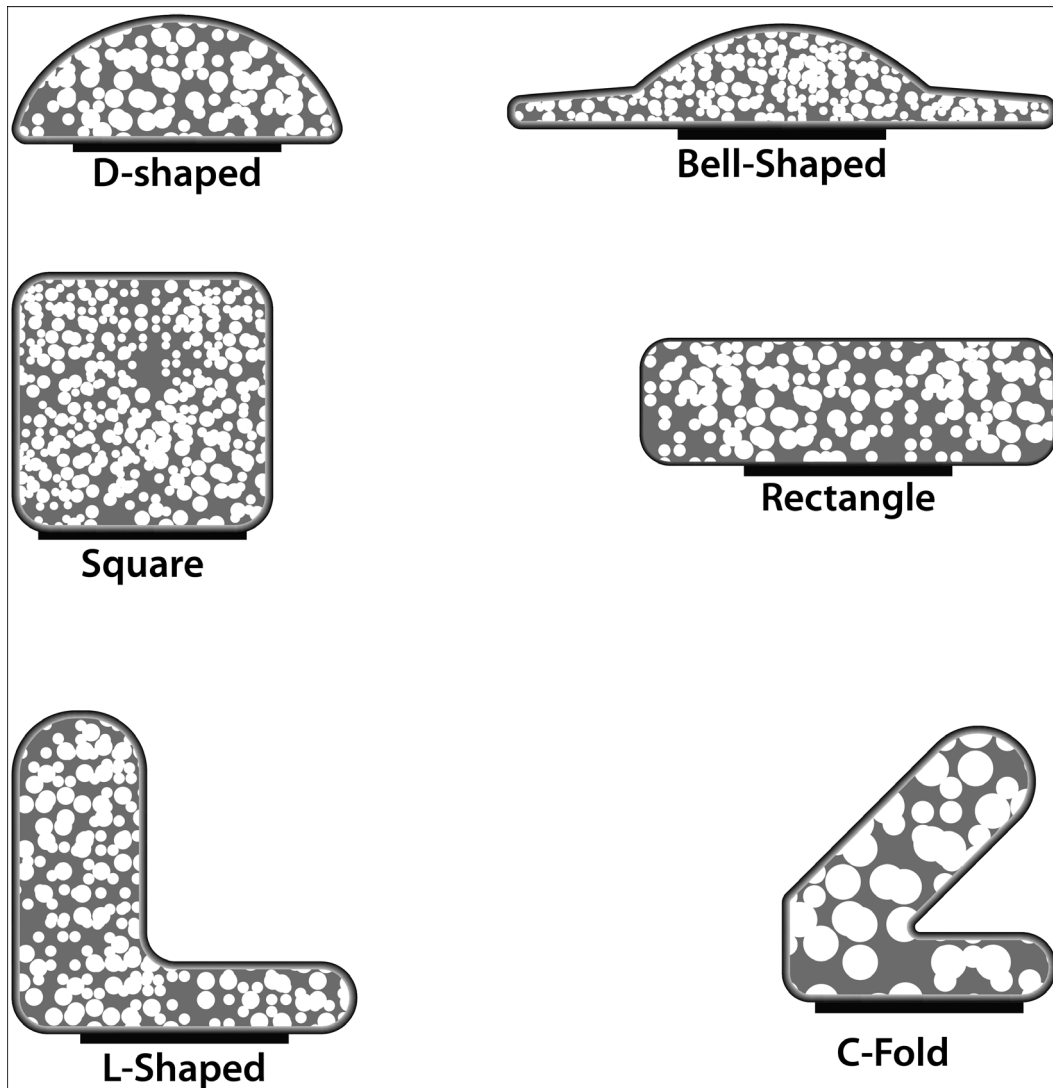
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PROFILES – C-F FOF A0/A1



NOTES

- Other profiles available; above dimensions are for example purposes only.

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