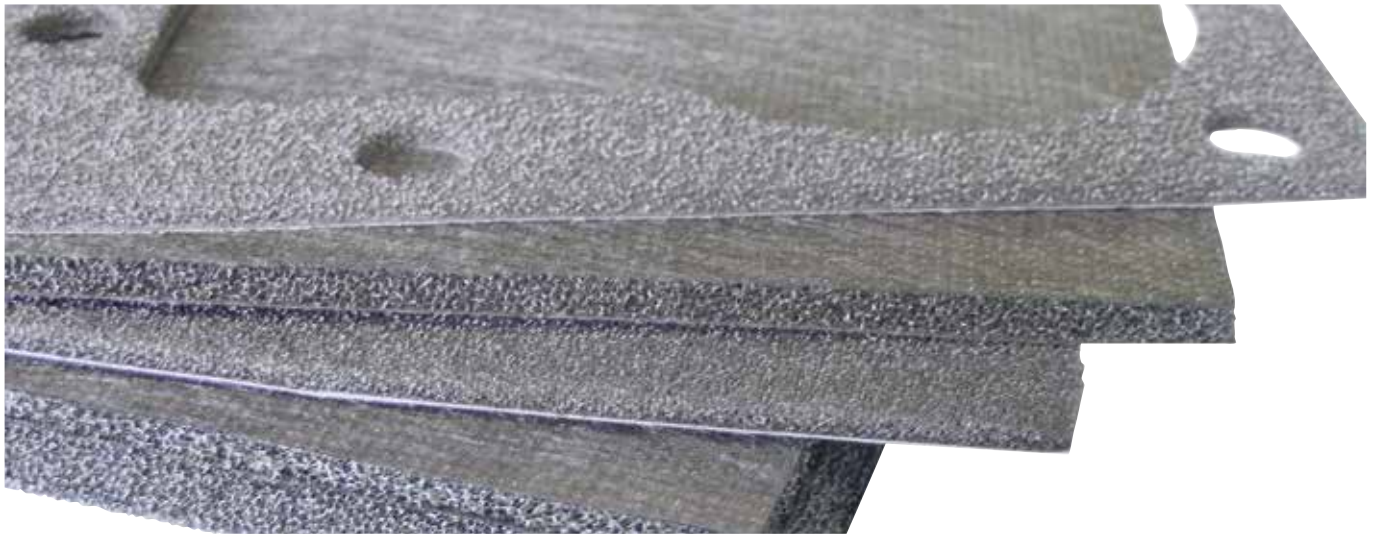




ELECTRICALLY CONDUCTIVE FOAM 5770



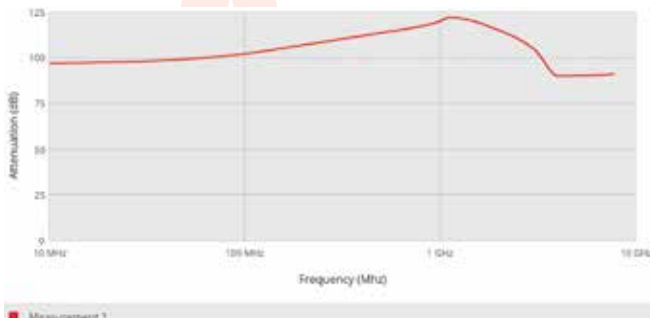
Conductive foam offers an innovative approach to traditional shielding and grounding by providing X, Y, and Z-axis conductivity, which enhances the shielding effectiveness required to meet the increasing microprocessor speeds of today's computer, telecommunications, and aerospace equipment.

This conductive foam is made of polyurethane foam plated with copper and nickel. Compression is 25% to 75%. The maximum application temperature is between 60 and 70 degrees Celsius.

The material will return close to normal height when released. The foam is coated with conductive polyurethane to protect it from environmental influences and to prevent burrs when cutting. The material is fire-retardant and it is RoHS compliant.

Conductive Foam is designed for low-cycling applications such as input/output (I/O) shielding and other non-shear standard connectors. Rectangular strips are available for perimeter gasketing applications.

SHIELDING PERFORMANCE*



CHARACTERISTICS

- Available in thicknesses of Available in thicknesses of 1.0, 1.5, 2.0, 2.2, 3.0, 3.4 and 5.0mm
- Several layers can be joined together for thickness, on request
- Excellent electric conductivity throughout the material
- Excellent electromagnetic shielding effect
- High workability due to adhesion
- Easy die cutting, kiss cutting and slitting
- Size- Sheet type: max 950 x 950mm (other sizes on request)

APPLICATIONS

- Mobile phone
- Cable tray
- Shielded rooms

MATERIAL SPECIFICATIONS

- Mesh: woven polyester, copper and nickel coated
- Conductive foam: polyurethane foam (copper and nickel coated)
- PU: acrylic ester polyol copolymer + nickel powder
- PU coating: polymer resin (polyurethane)
- Release liner: CP paper avg 150 µm

BENEFITS AND OPTIONS

- With or without self-adhesive
- Supplied as sheets, strips or die-cuts
- With water seal
- Resistant to high temperatures, with cooling holes
- Reinforced with non-woven fabric on 1 or 2 sides
- PSA attachment method option
- Nickel/copper metalization
- X-Y-Z axis conductivity
- Tolerance of ± 0.5mm
- I/O static applications/gasket replacement

Technical Datasheet

Revision date: 15-09-20

www.hollandshielding.com

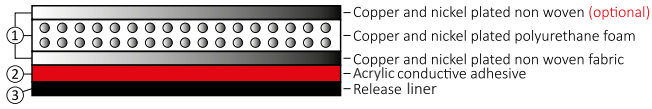
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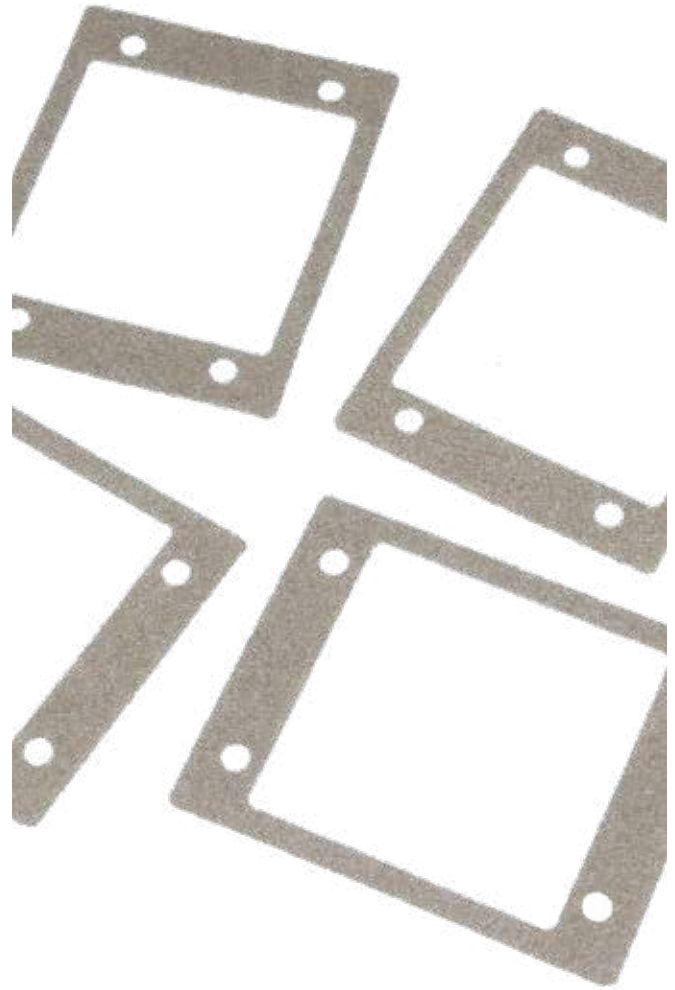
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TECHNICAL DRAWING



TECHNICAL DATA

Item	Data
Thickness (mm) (other sizes on request)	1.0, 1.5, 2.0, 2.2, 3.0, 3.4 and 5.0mm
Color	Gray
Width	Max. 950 mm
Length	Depening on thickness material 50 meter max.
Adhesive strength (gf/25mm)	>1.000
Holding strength (sec)	>3.600
Surface resistance (Ω/sq)	0.2
Surface resistance (Ω/in)	1.0 max
Volume resistance (Ω/sq)	0.2
Top-bottom resistance (Ω/in)	1.0 max
RoHS	Compliant
Fire retardant (cm/min)	Pass
Max. application temperature	Between 60 and 70 degrees



ORDER EXAMPLE

Series	Width (mm)	Length (mm)	Thickness (mm)	Adhesive	Optional
5770	Specify the width of the sheet in mm	Specify the width of the sheet in mm	Available: 1.0, 1.5, 2.0, 2.2, 3.0, 3.4 and 5.0mm. Other on request	SSA 01: Standard adhesive (non-conductive) NON 02: Without self-adhesive CSA 03: With conductive self-adhesive	T: Top layer Copper and nickel plated non woven