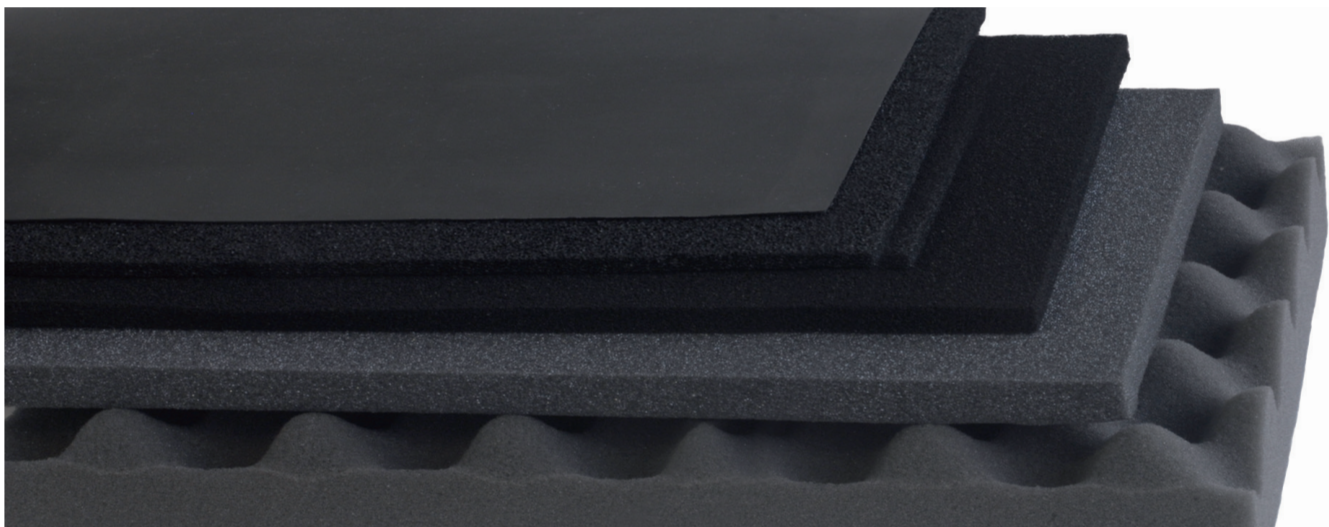


MICROWAVE ABSORBER FOAM 3500

Used at higher frequencies than traditional shielding and can also be used with other EMI/RFI shields to extend frequency range



These absorbers can be used at higher frequencies than traditional shielding and can also be used with other EMI/RFI shields to extend frequency range.

The microwave absorbers can be installed easily with pressure-sensitive adhesive (PSA), often directly onto high-frequency board-level components, to absorb unwanted radiated and surface-wave EMI/RFI and to meet FCC requirements without shielding.

Our Microwave absorber foam is RoHS compliant. It is a coated, open-cell foam and is used as a microwave absorbing material, especially for applications with frequencies of 1 to 17 GHz. The product acts like a free-space resistor to incoming electromagnetic energy.

The Microwave absorber foam is available in a soft and a hard variant. The type you choose depends on the force you want the foam to be able to withstand, if necessary.

Microwave absorber products can solve EMI/RFI problems without additional shielding and enable advanced technologies including automotive radar, military, and commercial wireless applications.

STANDARD SHEET

Temperature specification:- 40°C to +100°C

Die-cut: Material can be cut into any shape according to your drawing. please contact us with your drawing with the desired quantities for a quote.

Soft version:

Max. sheet size 1000 x 1000 mm

Hardness shore: 40 +/- 20

Hard version:

Max. sheet size 555 x 355 mm

TYPICAL APPLICATIONS

- Antenna hats
- Test boxes
- PCB shielding/housings
- Military applications
- EMI reduction
- Antenna pattern shaping
- Radar cross reduction

VERSIONS

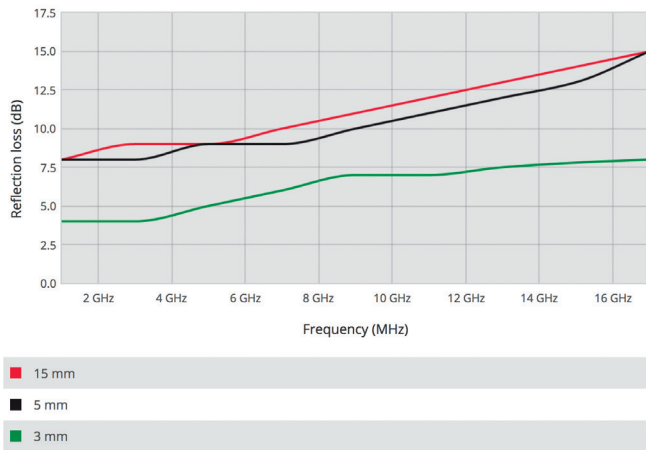
- A **soft version** which can be easily compressed to 75% is available as die cut or in the form of sheets. The soft microwave absorber sheets are available with thicknesses of 3, 6, and 15 mm and with or without PSA. (Pressure-sensitive adhesive).
- A **hard version** which can carry more weight and keeps its shape and position more easily is available with a thickness of 6 mm and 12 mm. Other thicknesses are available on request.

PRODUCT SPECIFICATIONS

Property	ISO	Unit	IP 45
Density	845	Kg/m ³	42- 48
Tensile strength	1798	kPa	298-337
Elongation strength	1798	%	30- 41
Compression deflection strength	844	kPa	
25%	844	kPa	55- 75
50%	844	kPa	123- 145
24h	1856	%	6.0
Working temperature range	-	Celsius	-60/+80
Thermal conductivity at 0 °C	8301	W/mK	0.04
Water absorption 7 days	-	Vol. %	<1
Flammability	FMVSS302	-	Pass
Surface resistivity	IEC-61340	Ohm	10 ⁷

» MICROWAVE ABSORBER FOAM 3500

REFLECTION LOSS (SOFT VERSION)



ORDER EXAMPLE

Series	Thickness	Width (mm)	Length (mm)	Adhesive
3500 : Microwave absorber foam	3SOFT : 3 mm thick (soft) 6SOFT : 6 mm thick (soft) 15SOFT : 15 mm thick (soft) 6HARD : 6 mm thick (hard) 12HARD : 12 mm thick (hard)	Specify the length in mm. Soft version: max. 1000 mm Hard version: max. 555 mm	Specify the length in mm. Soft version: max. 1000 mm Hard version: max. 355 mm	PSA : With pressure sensitive adhesive NA : No adhesive

*Notice

Information supplied in these data sheets is based on independent and laboratory tests which Holland Shielding Systems BV, hereafter referred to as HSS believes to be reliable. HSS has no control over the design of customer's product which incorporates products, therefore it is the responsibility of the user to determine the suitability for his particular application and we recommend that the user make his own test to determine suitability.

The product described in this data sheet shall be of standard quality, however the products are sold without warranty of fitness for a particular purpose, either expressed or implied, except to the extent expressly stated on HSS invoice, quotation or order acknowledgment. HSS does not warrant that products described in this data sheet will be free of conflict with existing or future patents of third parties. All risks of lack of fitness, patent infringement and the like are assumed by the user.