

The MW Series of fabric wrapped shielding profiles utilises a highly conductive and durable impregnated fabric formed around a sponge or foam core to create a very versatile low compression gasket medium.

Applications:

MW or ‘Metweave’ fabric covered profiles are particularly suitable for fixed-gasket applications within the computer or telecommunications manufacturing sectors as they are easily trimmed to size, are self-terminating and provide excellent dust and moisture protection coupled with a high degree of EMI shielding.

The MW Series is available in strip form or as ready to fit pre-formed or jointed gaskets. The standard materials have a self-adhesive backing and can be quickly and easily fixed in position. Corner joints can be mitred or butt-jointed according to cross-section without the need to bond or ‘antifray’ seal the cut ends.

How to Order:

Specify: Series-Filler (core)-Shape-Size-Length-Colour-Finish

For finished gaskets please provide a detailed drawing.

Specifications:

Open and closed-cell foam and sponge rubber cores are available including Polyurethane and Neoprene. The fabric can also be applied around rubber tube profiles.

Performance:

| Frequency | Attenuation |
|-----------|-------------|
| 30 MHz | 90 |
| 100 MHz | >100 |
| 500 MHz | >100 |
| 1 GHz | >100 |
| 10 GHz | 110 |

Surface resistivity: Nickel/Copper
< 0.05 ohms/square

Abrasion resistance: Excellent

Compression set: < 10% (typical)

Temperature range: -40 to +70°C (typical)

| Series | Fabric | Filler (core) | Shape | Size | Colour | Finish |
|-------------|---------------|--------------------|----------------|-----------|----------|--------------------|
| MW=Metweave | Copper/Nickel | PU=Polyurethane | 70=Rectangular | xxxx-xxxx | S=Silver | N/A= No Adhesive |
| | | NS=Neoprene Sponge | 11=D-Section | | B=Black | S/A= Self Adhesive |
| | | EP=EPDM Sponge | 88=C Section | | U=Blue | |
| | | | 60=Round | | R=Red | |
| | | | 80=P-Section | | G=Green | |
| | | | 90=Double D | | A=Gold | |
| | | | 77=Knife-edge | | | |
| | | | 66=L-Section | | | |

Notes:

Default colour is silver, other colours may have extended lead times and be subject to minimum order quantities.

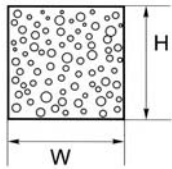
Standard length is 2.0 metres.

Examples:

MW-CN-PU-11-0050-S-S/A is Metweave with polyurethane foam core, 5 x 5 mm D-Section with self-adhesive.

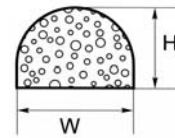
MW-CN-NS-70-0100-0030-S-N/A is Metweave with Neoprene Sponge core, 10 x 3 mm rectangular section without adhesive.





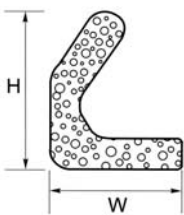
Rectangular

| W | H | Part Number |
|------|------|-----------------------|
| 2mm | 2mm | MW-CN-PU-70-0020-0020 |
| 3mm | 3mm | MW-CN-PU-70-0030-0030 |
| 4mm | 4mm | MW-CN-PU-70-0040-0040 |
| 5mm | 5mm | MW-CN-PU-70-0050-0050 |
| 6mm | 6mm | MW-CN-PU-70-0060-0060 |
| 8mm | 8mm | MW-CN-PU-70-0080-0080 |
| 10mm | 10mm | MW-CN-PU-70-0100-0100 |
| 12mm | 12mm | MW-CN-PU-70-0120-0120 |
| 13mm | 13mm | MW-CN-PU-70-0130-0130 |
| 15mm | 15mm | MW-CN-PU-70-0150-0150 |



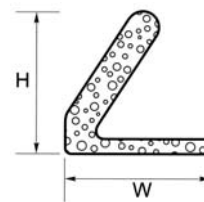
D-Shape

| W | H | Part Number |
|-------|-------|-----------------------|
| 3.9mm | 1.5mm | MW-CN-PU-11-0039-0015 |
| 6.4mm | 2.3mm | MW-CN-PU-11-0064-0023 |
| 9mm | 3mm | MW-CN-PU-11-0090-0030 |
| 15mm | 5mm | MW-CN-PU-11-0150-0050 |
| 4.3mm | 2.7mm | MW-CN-PU-11-0043-0027 |
| 4mm | 3.8mm | MW-CN-PU-11-0040-0038 |
| 6.4mm | 3.6mm | MW-CN-PU-11-0064-0036 |
| 10mm | 6mm | MW-CN-PU-11-0100-0060 |
| 10mm | 10mm | MW-CN-PU-11-0100-0100 |
| 12mm | 10mm | MW-CN-PU-11-0120-0100 |



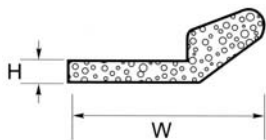
C-Fold

| W | H | Part Number |
|--------|--------|-----------------------|
| 7.1mm | 6.4mm | MW-CN-PU-88-0071-0064 |
| 8mm | 8mm | MW-CN-PU-88-0080-0080 |
| 10.7mm | 9.8mm | MW-CN-PU-88-0107-0098 |
| 10.9mm | 10mm | MW-CN-PU-88-0109-0100 |
| 10.9mm | 10.2mm | MW-CN-PU-88-0109-0102 |



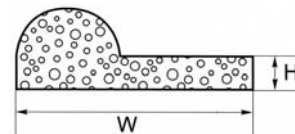
L-Shape

| W | H | Part Number |
|--------|--------|-----------------------|
| 12mm | 11mm | MW-CN-PU-66-0120-0110 |
| 11mm | 11mm | MW-CN-PU-66-0110-0110 |
| 15mm | 13mm | MW-CN-PU-66-0150-0130 |
| 19mm | 17mm | MW-CN-PU-66-0190-0170 |
| 14.7mm | 17.1mm | MW-CN-PU-66-0147-0171 |



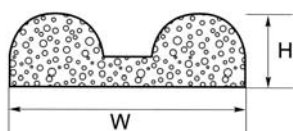
KnifeEdge

| W | H | Part Number |
|--------|-------|-----------------------|
| 11.3mm | 2.7mm | MW-CN-PU-77-0113-0027 |
| 11.4mm | 2.8mm | MW-CN-PU-77-0114-0028 |
| 19.1mm | 6.4mm | MW-CN-PU-77-0191-0064 |
| 18mm | 7.9mm | MW-CN-PU-77-0180-0190 |
| 19.1mm | 8.9mm | MW-CN-PU-77-0191-0089 |



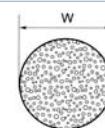
P-Shape

| W | H | Part Number |
|--------|-------|-----------------------|
| 14mm | 3mm | MW-CN-PU-80-0140-0030 |
| 15mm | 3mm | MW-CN-PU-80-0150-0030 |
| 13mm | 2mm | MW-CN-PU-80-0130-0020 |
| 17mm | 7mm | MW-CN-PU-80-0170-0070 |
| 8mm | 2mm | MW-CN-PU-80-0080-0020 |
| 22.5mm | 9.5mm | MW-CN-PU-80-0225-0095 |
| 12.2mm | 5.1mm | MW-CN-PU-80-0122-0051 |
| 13.2mm | 3.7mm | MW-CN-PU-80-0132-0037 |



Double D-Shape

| W | H | Part Number |
|-------|-------|-----------------------|
| 9.6mm | 3.2mm | MW-CN-PU-90-0096-0032 |
| 9.7mm | 2.8mm | MW-CN-PU-90-0097-0028 |



Round

| W | Part Number |
|------|------------------|
| 3mm | MW-CN-PU-60-0030 |
| 6mm | MW-CN-PU-60-0060 |
| 9mm | MW-CN-PU-60-0090 |
| 10mm | MW-CN-PU-60-0100 |
| 12mm | MW-CN-PU-60-0120 |

MF Series is a range of highly conductive metalised fabrics. They consist of a base material of nylon coated with nickel/copper. The fabrics have excellent conductivity in all directions and exhibit excellent shielding effectiveness. They are very flexible and are ideal for wrapping around core material or for die stamping. The fabric has good abrasion resistance of in excess of 500,000 cycles and is fire retardant to UL94 V0.

Various adhesive options are available, including a hot melt adhesive on one side, a pressure sensitive adhesive on one side or it can be supplied without adhesive.

For advice on applications, please consult our sales office on 01376 550525 or email info@p-p-t.co.uk



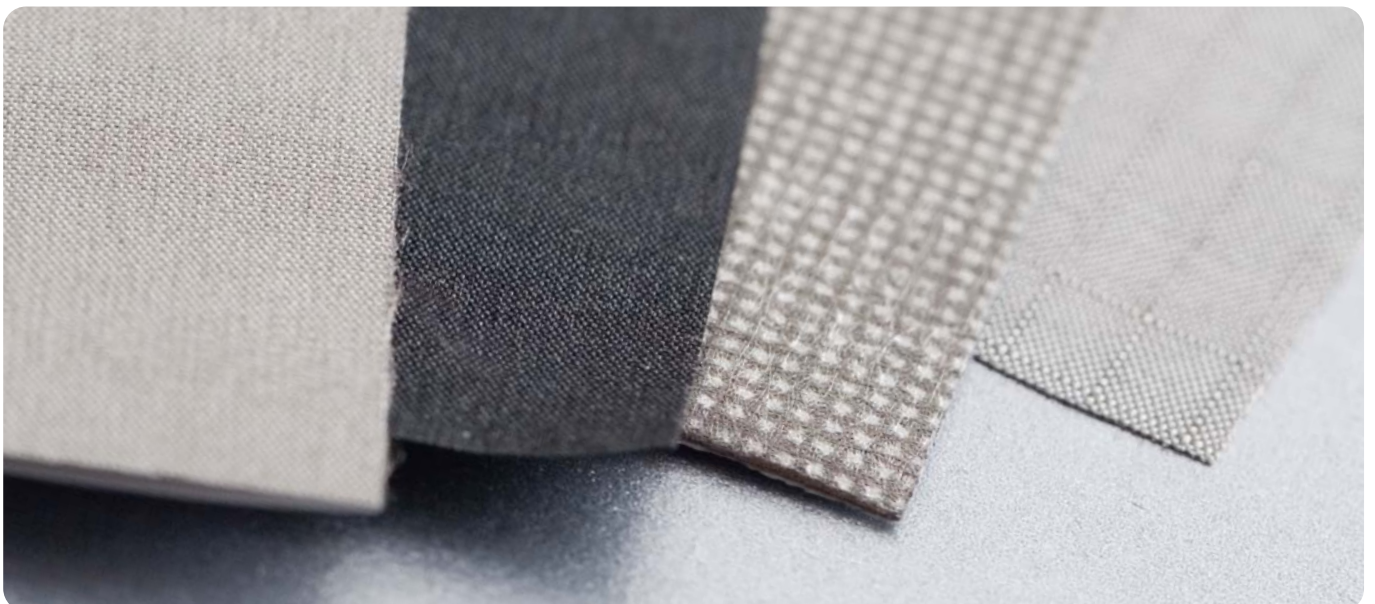
How to Order:

Specify: Series-Part Number-Length/Drawing Number-Adhesive

| Series | Part Number | Length/Dwg. | Finish |
|----------------------|--------------------------------------|-------------|------------------------------|
| MF=Conductive Fabric | NF32B=Nylon/PET/Cu+Ni Ripstop Fabric | xxxx | S/A= Self Adhesive |
| | PF31B=PET/Cu+Ni Fabric Plain Weave | | N/A=No Adhesive |
| | | | H/A= Heat activated Adhesive |

Notes:
A wide range of additional conductive fabrics is available - please contact us for further details.

Examples:
MF-NF32B-H/A is Nylon/PET/Cu+Ni ripstop fabric with heat activated adhesive.



Our MS Series is a conductive polyurethane sponge with a conductive fabric bonded to each face. It is available in a range of thicknesses and can be supplied with or without a conductive adhesive on one face.

The material is highly conductive in all planes with a typical resistance of $<0.06\Omega$. The material is easily die-cut and is ideal for connector gaskets or where a gap needs to be filled without high compression. For advice on applications please contact us on 01376 550525 or email info@p-p-t.co.uk

How to Order:

Specify: Series-Part Number/Thickness-Size/Drawing Number-Finish

| Series | Part Number | Size | Finish |
|----------------------|------------------|-----------|-------------------|
| MS=Conductive sponge | 1008=0.8mm Thick | xxxx-xxxx | S/A=Self Adhesive |
| | 1010=1.0mm Thick | | N/A=No Adhesive |
| | 1015=1.5mm Thick | | |
| | 1020=2.0mm Thick | | |
| | 1030=3.0mm Thick | | |
| | 2022=2.2mm Thick | | |
| | 2013=1.3mm Thick | | |
| | 3035=3.5mm Thick | | |

Example:

MS-1030-5000-5000-S/A is conductive sponge 3.0 mm thickness 500 x 500 mm with self-adhesive.

