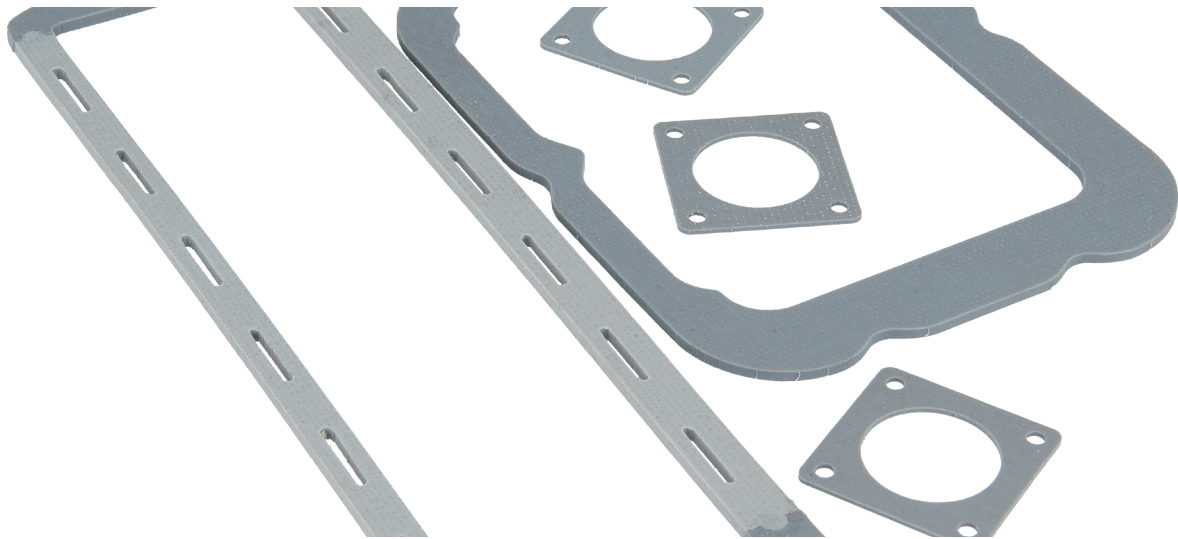


ORIENTED WIRE SHIELD 5711 - 5722

Silicone sheet material with oriented wires for EMI shielding and IP sealing. Can be cut into complicated shapes by CNC knife cutting, laser cutting and/or water jet cutting, or die-cut



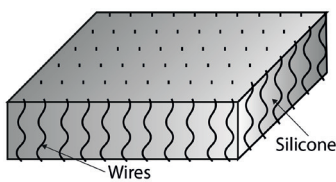
Oriented wire shield 5711- 5722 is a composite gasket material consisting of a large number of small wires embedded and bonded in solid or sponge silicone, or fluorosilicone elastomer for oil resistance.

The wires provide excellent conductivity to establish EMI / RFI shielding.

The material is used in military, industrial and commercial products requiring EMI suppression, grounding, or static discharge. It is very suitable for applications where an environmental or pressure seal is required.

The sponge version is used in cases where the severe joint is uneven, or if lower closure forces or greater compressibility are required.

TECHNICAL DRAWING



PART NUMBERS

Material	Part number
Solid silicone with monel wire	5711
Solid silicone with aluminum wire	5712
Solid fluorosilicone with monel wire	5713
Sponge silicone with monel wire	5721
Sponge silicone with aluminum wire	5722

DIMENSIONS

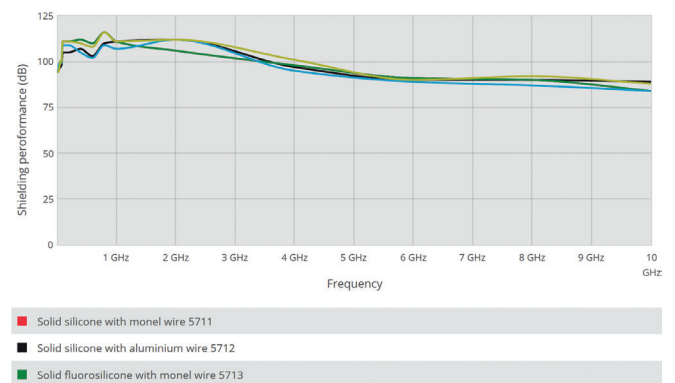
We produce sheets of max. 228 x 900 mm, from which we can then cut gaskets without interruptions. Bigger gaskets can be welded/joined together in order to prevent waste of material.

Custom compositions are available on request, simply by sending a drawing with the desired dimensions to our email address info@hollandshielding.com.

BENEFITS

- Temperatures up to 220 °C
- High shielding performance
- Water sealing up to 10 meters
- Pressure resistant
- Salt spray / chemical resistant
- Fluorosilicone rubber for fuel/oil resistance
- Supplied as sheets, strips or die-cuts

SHIELDING PERFORMANCE* (DB)



» ORIENTED WIRE SHIELD 5711 - 5722

TECHNICAL SPECIFICATIONS

Material	Solid silicone with monel wire	Solid silicone with aluminum	Solid fluorosilicone with monel wire	Sponge silicone with monel wire	Sponge silicone with aluminum wire
Part number	5711	5712	5713	5721	5722
Color	Gray	Gray	Blue	Gray	Gray
Wire count/ sq. inch	900	900	900	900	900
Compression set	25%	25%	25%	25%	25%
Closing force (psi)	25-100	25-100	25-100	5-50	5-50
Fuel/solvent resistant	No	No	Yes	No	No
Temperature (°C)	-65/200	-65/200	-55/200	-65/200	-65/200

TECHNICAL SPECIFICATIONS

Elastomer	Silicone or fluorosilicone
Conductive filler	Monel wire, aluminum wire
ROHS compliance	Yes
Corrosion resistance	Yes
UV resistance	Yes
Oil resistance	Fluorosilicone type only
Fuel resistance	Fluorosilicone type only
IP rating	Yes

CONDUCTIVE ADHESIVE (CONDUCTIVE PSA)

Property	Unit	Outcome	Test method
Surface resistance	Ω/sq	<0.10	MIL-DTL-83528C
Adhesive strength	G/25mm	850	ASTM D 3330
Conductive PSA	-	Acrylic + Ni	-
Liner	-	Paper, film	-

AVAILABLE THICKNESSES

0.81, 1.13, 1.38, 1.57, **2.40**, **3.18**, 3.96, 4.78, 6.35mm.
Other thicknesses on request.

ORDER EXAMPLE

Part number	Width (mm)	Length (mm)	Thickness
5711 : Solid silicone with Monel wires	Specify the desired width in mm	Specify the desired length in mm	0.81 : 0.81mm thick
5712 : Solid silicone with aluminum wires			1.13 : 1.13mm thick
5713 : Solid fluorosilicone with Monel wires			1.38 : 1.38mm thick
5721 : Sponge silicone with Monel wires			1.57 : 1.57mm thick
5722 : Sponge silicone with aluminum wires			2.40 : 2.40mm thick
			3.18 : 3.18mm thick
			3.96 : 3.96mm thick
			4.78 : 4.78mm thick
			6.35 : 6.35mm thick

