

Oriented monel or aluminium metal wires in silicone are a good solution for achieving environmental sealing as well as EMC shielding in a single gasket.

Silicone sponge rubber is suitable for applications which require lower compression forces, e.g. as access panels, connector gaskets etc.

- Silicone sponge as standard; fluorosilicone sponge version is not available
- Wide variety of options (die-cut gaskets / sheet material up to 114mm wide by 900mm long / strip material in continuous lengths)
- Available with self-adhesive backing
- Excellent shielding performance due to a wire density up to 100 wires / cm<sup>2</sup>

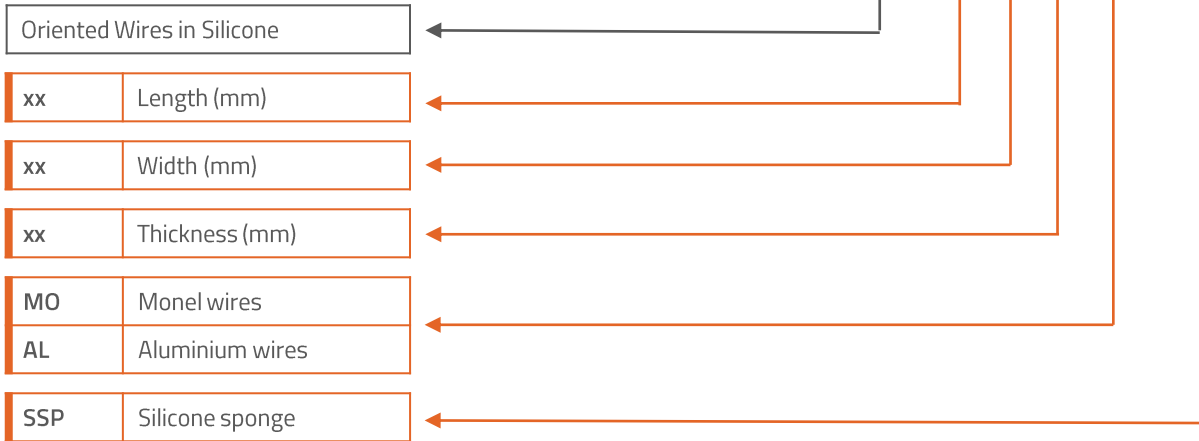


### PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic rubber material	Silicone sponge	AMS 3195
Available metal wires	Monel Aluminium	BS 3075 NA13 – QQ-N-281-B BS EN 537 PT3 – Alloy 5056
Available sheet widths	2,4 – 114 mm	-
Available thicknesses	1,6 – 3,2mm	-
Maximum sheet length	900 mm	-
Wire density	100 wires/cm <sup>2</sup>	-
Temperature range	-60 – 200 °C	-
Recommended compression	15 – 25 %	-

### BUILDING AN ITEM NUMBER

**OWS-LxWxT-XX-YYYY**



### Standard options

**EXAMPLE** | **OWS-100x100x0,8-MO-SSP**  
 Oriented wires in silicone; length: 100 mm; width: 100 mm; thickness: 0,8 mm; monel wires; silicone sponge

### REQUIRED CLOSING FORCE (N/cm<sup>2</sup>)

COMPRESSION	10 %	15 %	20 %	25 %
T = 1,6 mm	50	50	55	60
T = 2,4 mm	50	50	50	50
T = 3,2 mm	40	40	40	45

### TOLERANCES

- Linear: ± 0,8 mm
- Hole Centers: ± 0,4 mm
- Thickness: ± 0,13 mm

**SHIELDING EFFECTIVENESS (dB)**

	20MHz	60MHz	100MHz	400MHz	800MHz	1GHz	2GHz	4GHz	6GHz	10GHz
MO-SSP	94	99	109	105	109	107	112	95	89	84
AL-SSP	94	100	111	110	116	111	112	101	90	88

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