

Oriented Wires in Silicone

These gasket materials consist of monel or aluminium wires embedded into solid silicone, sponge silicone or fluorosilicone, a fire retardant variant is also available. The material may be supplied in strip form or as a complete gasket with or without pressure sensitive adhesive tape. Other options include compression stops or collars.

Carrier **SP Solid Silicone Elastomer (Grey) to ZZ-R-765**

SS Sponge Silicone	(Grey) to AMS3195
SR Solid Silicone Fire Retardant	(Black) to ZZ-R-765
SF Fluorosilicone	(Blue) to Mil-R-25988 Gr5
SW Sponge Silicone	Fire Retardant (Black) to AMS3195
Wire	Monel 0.11mm dia. to QQ-N-281
Aluminium	dia. 0.12 mm Alloy 5056
Elastomer Hardness	Solid 30 ± 15 Shore Micro
Sponge	20 ± 5 Shore Micro
Compression	Maximum Recommended 20%
Wire Count	140 ± 15% per sq/cm
Temperature range	-65°C to +200°C
Self adhesive	Pressure sensitive adhesive (If specified)
Thickness	0.07mm
Release liner	White siliconised paper
Adhesive type	Modified acrylic
Adhesion Initial	13N/25mm
Adhesion Aged	31N/25mm
Temperature range	-30°C to +130°C

Attenuation Performance

Frequency	Field	Attenuation dB
10 KHz	H	55
100 KHz	H	83
1 MHz	H	>102
10 kHz	E	>121
1 MHz	E	>141
10 MHz	E	>120
100 MHz	E	>140
400 MHz	P	>102
1 GHz	P	95
10 GHz	P	60

Performance figures in accordance with MIL-STD-285 compression between 12 and 15%

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