



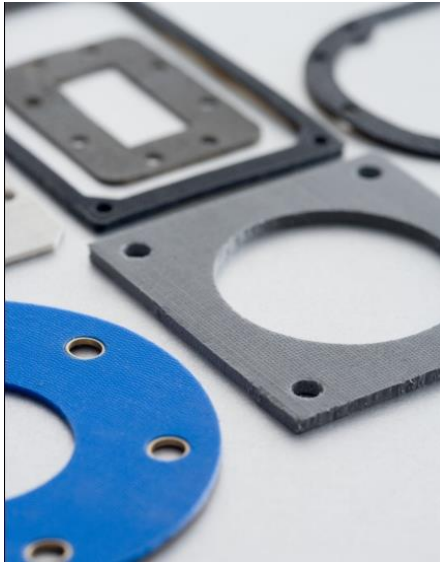
Application Notes / Overview

Silshield - Orientated Wires in Silicone

catalogue pages 20-22

Silshield S-Range is a matrix of vertically oriented wires in a silicone elastomer carrier. Two wire types are generally available - monel or aluminium - combined with solid silicone rubber, sponge silicone rubber or flourosilicone depending on the application.

P&P Technology are always happy to provide guidance on the best product for your application.



SP Shielding - solid silicone rubber

SS Shielding - sponge silicone rubber

SF Shielding - hydrocarbon resistant flourosilicone

SG Shielding - sponge silicone flame retardant

SR Shielding - solid silicone flame retardant

Advantages - Cost effective

Good environmental seal

Extremely good EMC performance

Easily die cut into complex shapes

Can be supplied with self adhesive backing

Can be supplied in sheet form -max. 228 x 900mm

except SF Series max. 152 x 900mm

Can be fitted with compression stops to ensure correct compression

Flame retardant versions available

Hydrocarbon resistant version available

Applications -

Cover panels

High performance die-cut gaskets

Points to Note -

High compression force required

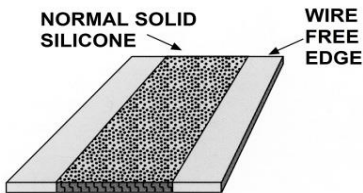
Care must be taken to ensure compression is even





Application Notes / Overview

Silshield - Orientated Wires in Silicone



SE Shielding - wire free edge

Wire free widths can be ordered where the material cross-section has wires along just one edge, or along both edges with no wires in the centre.

Advantages -

- Provides a pressure seal and EMI shield in one component
- Reduces the compressive force needed to fit the gasket

Points to Note -

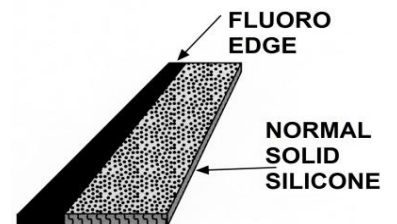
- Not available in sponge

SE Shielding - Dual Materials

A wire free fluoro-edge is bonded to a standard sheet or strip during the moulding process

Advantages -

- Cost-effective
- Wire-free contaminant resistant outer edge
- Can be used where loose wires could cause problems
- Can be used where gaskets are subjected to solvents or hydrocarbons
- Can be used where gaskets are liable to soften & swell



Points to Note -

- Not available in sponge

P&P Technology are specialist manufacturers of EMI / RF shielding products. For application notes on the rest of our range, or one of our catalogues, please find our contact details below.