



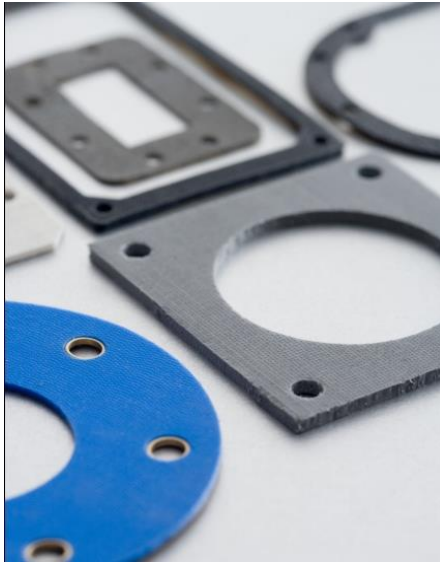
Application Notes / Overview

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

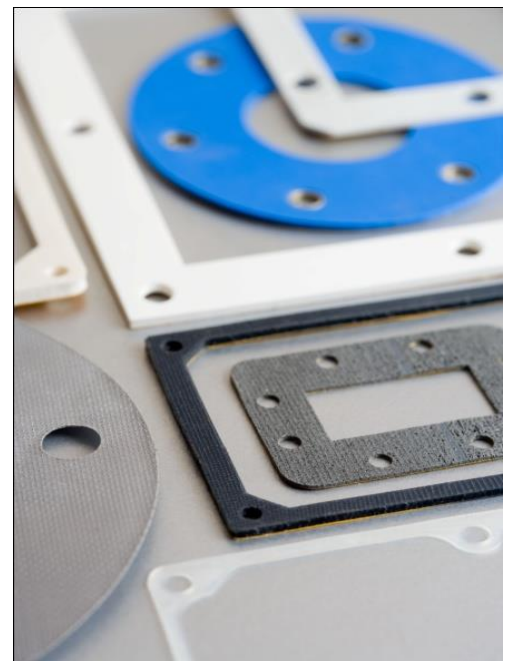
- Flame retardant versions available
- Hydrocarbon resistant version available

Applications -

- Cover panels
- High performance die-cut gaskets

Points to Note -

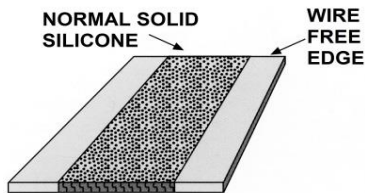
- High compression force required
- Care must be taken to ensure compression is even





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 -

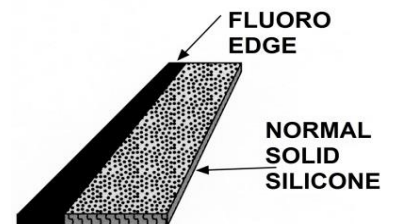
- Not available in sponge

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.