



Application Notes / Overview

Exshield - Conductive Silicone

catalogue pages 39-42

A range of particle filled elastomers which may be extruded or in sheet form. Various conductive fillers including Silver, Nickel Graphite, Silver Aluminium, Silver Copper, Silver glass & Carbon may be used and are selected according to application.

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



EC Shielding - round or D-section extruded profiles

Advantages -

- Very good attenuation
- Good environmental sealing
- Hydrocarbon resistant variants
- Can be formed into O-rings for ease of use
- Flame retardant version available

Applications -

- Machined mating surfaces
- Fitting into a groove or channel
- Connector gaskets
- Cover gaskets

Points to Note -

- Cost can be high for commercial applications
- Should be fitted into a correctly dimensioned groove or channel
- Fixing with conductive adhesives is not recommended as this can adversely affect the environmental seal

ES Shielding - sheet form or die-cut gaskets

Advantages -

- Very good attenuation
- Good environmental sealing
- Hydrocarbon resistant variants
- Can be fitted with compression stops to prevent over tightening

Applications -

- Machined mating surfaces
- Connector gaskets
- Cover gaskets

Points to Note -

- Cost can be high for commercial applications

