

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

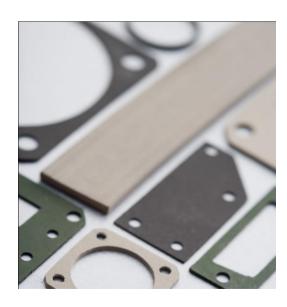
ES Shielding - sheet form or die-cut gaskets

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



