

CONDUCTIVE ELASTOMER

Description

Conductive Elastomer is ideal for shielding effectiveness. These products are applicable to a variety of applications. It can be used either as an EMI shielding or can be used for environment sealing with particular it provide an enhanced features corrosion resistant and flame retardant products. The use of our proprietary conductive filler, professional control of conductive particle composition, size and structure, its precise resin adhesive evenly distributed, so as to achieve stability in the same electrical and physical properties.



Features and Benefits

- Excellent Shielding Effectiveness
- Suitable for Corrosion Resistant Products
- Suitable for Flame Retardant Products
- Easy to Install
- A Wide Range of Shapes and Sizes
- Easy to Install and Ease to Plating
- Off the Shelf or Customization Product

Applications

- Suitable for Shielded Room, Door, Cabinet Door, Cover, Printed Circuit Board (PCB) & Integrated Circuit (IC) Shielding
- Can be used in many Applications which shielding material needs sliding friction and can be installed on top or side of the shield
- Applications various from Small Handheld Devices to Large Shielding Room

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Notes: The below technical data and information should be thought as typical or representative only, and should not be used for specification purposes.

Comparison For Conductive Elastomer & Other EMI Shielding Materials

Gasket Type	Advantage	Weakness	Suitable Applications
Conductive Elastomer	a) Both EMI Shielding & Environment Sealing	a) High Closure Force b) High Price	a) Application needs Both EMI Shielding & Environmental Sealing
Knit Mesh	a) Low Cost b) Not Easily Damaged	a) Low Shielding Effectiveness for 1GHz Frequency above b) No Environmental Sealing	a) Interference Frequency Below 1GHz
Finger Stocks	a) High Shielding Effectiveness b) Slip Contact c) Large Deflection Range	a) High Price b) No Environmental Sealing	a) Application Require Slip Contact b) Application Require High Shield Effectiveness
Spiral Tube	a) High Shielding Effectiveness b) Low Price c) Composite Type can provide both EMI Shielding & Environmental Sealing	a) Easy damaged when being over compressed	a) Application Require High Shielding & Effectiveness for both EMI Shielding & Environmental Sealing. b) Application with Good Compression Stop
Composite Conductive Elastomer	a) Good Elasticity b) Low Price c) Provide Environmental Sealing	a) Thin Conductive Layer b) Easy to Strip Out in Application with Repeated Friction	a) Application Require Less EMI Shielding & Environmental Sealing b) Application with Small Closure Force
Conductive Fabric Gasket	a) Soft & Small Pressure b) Low Price	a) Easy Damaged in Hot/Humid Environment	a) Application with Small Closure Force

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