

INTRODUCING EMI SHIELDING CONDUCTIVE ELASTOMERS – NOW AVAILABLE IN NICKEL ALUMINUM



Conductive elastomers are fully cured silicones or fluorosilicone loaded with electrically conductive particles providing superior electromagnetic interference/radio frequency interference (EMI/RFI) shielding performance combined with excellent environmental sealing. The various conductive fillers are designed to ensure galvanic compatibility whilst providing low contact resistance between mating surfaces.

Introducing Nickel plated Aluminum filled materials SNA and FNA

TE Connectivity has developed Nickel plated Aluminum filled conductive elastomers. These materials offer the best corrosion resistance for applications with aluminum contact surfaces whilst simultaneously offering a high degree of shielding effectiveness with test data up to 40 GHz. As with TE's other conductive elastomers, Nickel-Aluminum is available in 2 options with either a silicone or a fluorosilicone binder.

APPLICATIONS

Designed to ensure galvanic compatibility whilst providing low contact resistance between mating surfaces for:

- Industrial controls
- Instruments
- Military equipment
- Avionics
- Medical electronics
- Electronic equipment enclosures

MATERIALS

- **Type:** silicone nickel aluminum, fluorosilicone nickel aluminum, silicone nickel graphite, fluorosilicone nickel graphite, silicone silver aluminum, fluorosilicone silver plated aluminum
- **Color:** Grey, Yellow, Green
- **Marking:** No marking
- **Material Resistance:** Fluid resistant, and flame retardant (SNG-FR molding grade only)

KEY BENEFITS

- Highly conductive EMI/RFI gasket and environmental seal
- Thickness from 0.5mm
- Fluorosilicone materials are ideal for harsh environments
- Fuel oils and solvents resistant
- Choice of materials for galvanic compatibility
- Flame retardant (SNG-FR and molded grade only)

STANDARDS AND SPECIFICATIONS

- Meets UL94 V-0 standard (SNG-FR and molded grade only)

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