

## Conductive Elastomer Grades and Properties

<b>Conductive Elastomer Grades and Properties</b>			
Injection and compression moulded, extruded, Printed, Form in Place			
Shore 'A' from 30 - 90° and is indicated for example by replacing the XX in 501-SXX with correct hardness i.e. 501-S70			
EMI REF:	Filler and Binder	Attenuation	Properties
501-SXX	Silver in silicone	> 120 dB	Highest shielding effectiveness and through conductivity performance: Higher physical properties:
502-SXX	Silver in fluorosilicone		
501-NAXX	Nickel-plated aluminium in silicone	> 100 dB	Highest performance in harsh environments; excellent shielding: Best choice for corrosion requirements against aluminium.
502-NAXX	Nickel-plated aluminium in fluorosilicone		
502-SAXX	Silver-plated aluminium in fluorosilicone	90 - 110 dB	High performance in harsh corrosive environments: Good physical properties: Best for aircraft and marine military applications:
501-SAXX	Silver-plated aluminium in Silicone	90 - 110 dB	Military grade gasket for corrosive environments: 200°C max use temperature: good EMP resistance:
502-SAXX	Silver-plated aluminium in fluorosilicone		
501-SCXX	Silver-plated copper in Silicone	105 - 120 dB	Resists highest level of EMP induced current: military gasket of choice in non-corrosive environments: excellent processing for moulding and extrusion.
502-SCXX	Silver-plated copper in fluorosilicone		
501-SCXX	Silver-plated copper in Silicone	80 - 105 dB	Material of choice for high-end commercial applications; superior performance in non-corrosive environments: Elastomer is recommended for applications requiring low compression forces.
501-NGXX	Nickel-plated graphite in Silicone	100 dB	Good performance in moderately corrosive environments; Flame retardant UL 94 V-0 rated  Elastomer, is recommended for applications requiring low compression forces:
502-NGXX	Nickel-plated graphite in Fluorosilicone		
501-SGXX	Silver-plated glass in Silicone	80 - 105 dB	High performance in non-corrosive environments: Used in grounding applications with little or no vibration:
502-SGXX	Silver-plated glass in Fluorosilicone	80 - 100 dB	Moderate performance in non-corrosive environments; no corrosion or fluid resistance;
501-CXXFR	Carbon in silicone	30 - 80 dB	Low-end shielding and ESD protection; high tensile strength; no corrosion or fluid resistance: Can be UL94 V-0
501-CXX	Carbon in silicone	30 - 80 dB	Low-end shielding and ESD protection; high tensile strength; no corrosion or fluid resistance:

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Conductive Elastomer Grades Intro Issue 10 Dated 08/16

**T:** + 44 (0)1590 688022  
**F:** +44 (0)1590 673055

**e:** enquiries@emiseals.com  
**w:** www.emiseals.com

EMI Group, 370 Ampress Lane, Lymington  
Hampshire, S0418JX, England