



Form-in-Place Material

MP-A3X

Conductive Form-in-Place Gasket

Product Overview

Uvox MP-A3X is an electrically-conductive composite material comprising of a silicone elastomer & silver particles. It is specially designed to be used as a Form-in-Place (FIP) gasket on a wide range of components. It will cure to form an elastomeric EMC gasket that has good adhesion to most substrates. This allows complex or small section gaskets to be applied to prototypes and through to production volume parts, without excessive tooling charges.

When combined with a non-conductive silicone FIP seal, it is possible to achieve environmental sealing up to IP68.

Properties

Property	Value	Unit
Elastomer	Silicone	
Conductive Filler	Ag	
Curing System	Ambient air	
Number of Components	1	
Volume Resistivity	< 2	mΩcm
Shielding Effectiveness 200MHz to 10GHz	80 – 110	dB
Hardness	45	Shore A
Density (cured)	2.2	N/cm ³
Compression Set	< 15	%
Adhesion Strength	>10	N/cm ²
Deformation Strength	2.0	N/cm
Temperature Range	-40 to +200	°C
Full Cure Time	24	Hr.

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