



Form-in-Place Material

MP-L6k

Silver coated Aluminium Particles in Silicone Elastomer

Product Overview

UVOX MP-L6k is a material for electrically conductive Form-in-Place Gaskets. This material is suited for a combined environmental seal and RFI shield gasket. It can be applied directly onto parts which are to be sealed. Our MP-L6k Gaskets have a strong adhesion on the base material, a low Volume Resistance, a large temperature range usage as well as a high elasticity. It also offers high conductivity and high corrosion resistance on untreated surfaces Al, Zn or Mg.

Properties

Technical Specification

Property	Value	Unit	Test Method
Elastomer	Silicone		
Conductive Filler	Ag/Al		
Corrosion Prevention	Yes		
Curing System	Air Humidity		
Components	Single		
Volume Resistivity	< 9	mΩcm	
Shielding Effectiveness 20 MHz to 10 GHz	80 - 110	dB	MIL-DTL-83528C Para 4.5.12
Hardness	50	Shore A	ASTM D2240
Density (Cured)	2.3	g/cm ³	ASTM D395
Compression Set	14%	%	EMI-PM 0002 Rev. B
Adhesion Strength	> 10	N/cm ²	
Deformation Strength	4.5	N/cm	
Temperature Range	-40 to +125	°C	
Handling Time	1	h	
Full Cure	24	h	

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