

FIP200

Form-in-Place EMI Shielding Material

FIP200 is a single component moisture cure EMI shielding material filled with Ag/Cu particles. FIP200 has been designed to protect electrical devices from electromagnetic interference in harsh environments.

- Environmentally friendly, low odour
- Fast cure, high dispensing performance
- Excellent corrosion resistance on Cr(III), Cr(VI) and Al.
- Flame retardant; meets UL94 V-0

Approvals	RoHS Compliant (2015/863/EU): UL Approval:	Yes Meets UL94 V-0
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Typical Properties

Liquid Properties:	Base Material	Silicone
	Conductive Filler	Ag/Cu
	Cure System	Moisture
	Touch Dry Time @ 25 °C, 50% RH	2 minutes
	Storage Conditions	Dry Conditions: Below 0°C
	Shelf Life	6 months
Cured System:	Cured Density (g/ml)	2.3
	Volume Resistivity (ohm-cm)	0.006
	Shore Hardness @ 25°C	A45
	Shielding Effectiveness (dB 1GHz to 20GHz)	100
	Flame Retardancy	Meets UL94 V-0
	Elongation	130%
	Tensile Strength (MPa)	1.6
	Compression Set @ 85°C (%)	30
	Adhesion, Bare Al (N/cm)	>10

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
<u>Form-in-Place EMI Shielding Material</u>	300ml Syringe	FIP200_30S	6 months (Stored below 0°C)

Directions for Use

Low temperature storage (below 0°C) is required, FIP200 should be left to thaw at ambient temperature for 2 to 4 hours before use. Ensure surfaces are clean, dry and free from grease and dust before use.

FIP200 can be used in automated robotic dispensing equipment. The elastomeric material can be precisely positioned into narrow gasket beads of 0.8 x 1.0 mm or less. FIP200 shows good adhesion to Aluminium and cures with atmospheric moisture.

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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