

## Silver Aluminium Loaded Fluorosilicone ECF-J

P & P Technology material reference ECF-J is a fluorosilicone elastomer with a silver / aluminium conductive filler.

Fluorosilicone offers excellent performance over a wide temperature range (-55°C to +160°C) with good resistance to hydrocarbons, chemicals & weathering.

Its resistance to mineral based fluids is limited, but it has good splash resistance to most oils and greases.

### Physical Properties

	Test Methods	Typical Values
Hardness	ASTM D-2240	60±5 IRHD
Specific Gravity	ASTM D-792	2.10±0.1 g/cm <sup>3</sup>
Tensile Strength	ASTM D-412	1.6 MPa
Elongation	ASTM D-412	110% minimum
Compression Set 72 hours @ 100°C	ASTM D-395	30% maximum

### Electrical Properties

Volume Resistivity	Mil-G-83528	0.01Ω/cm maximum
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### Shielding Effectiveness (Mil-G-83528) dB (Mil Std 285)

Frequency	Attenuation
200KHz	79
100MHz	105
500MHz	108
2GHz	102
10GHz	110

