



Product information

CONDUCTIVE SILICONE RUBBER

A silicone elastomer filled with Nickel / Graphite conductive filler that has been developed for both moulding and extrusion applications.

The material exhibits an interesting blend of excellent physical and electrical properties over an effective temperature range of -55 to +160°C. Nickel Graphite loaded silicone offers good shielding performance and resistance to galvanic corrosion.

<u>Properties</u>	<u>Typical Values</u>
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Hardness, Shore A +/-5°	65
Tensile Strength, MPa, Min	1.50
Elongation, %, Min	100
Compression Set, %, Max	35

Electrical Properties

Volume Resistivity, Ohm.cm, Max	0.500
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Shielding Effectiveness (dB)

200 KHz (H-Field)	70
100 MHz (E-Field)	95
500 MHz (E-Field)	90
2 GHz (Plane Wave)	90
10 GHz (Plane Wave)	90

The Information and Data contained herein are believed to be accurate and reliable, however it is the user's responsibility to determine suitable of use. We make no warranties concerning fitness or suitability of its products for a particular use or purpose.

Alterations may be made to the above information on the basis of further knowledge being obtained.

Provisional Specification

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Check out the download area of our website
www.j-flex.co.uk for other product information



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