



Carbon-Silicone Sheet

Carbon-Silicone Sheet provides electrical conductivity and IP65 at low cost

Product Overview

Uvox Carbon-Silicone Sheet is an economical shielding material for commercial applications. Electromagnetic shielding is achieved by signal absorption rather than by grounding. With a wide temperature range and toughness IP65 can be met. The product is UL94-HB rated, with a recommended compression ratio is 5 - 30%, depending on seal arrangement.



Properties

Shielding Effectiveness

Frequency	Field	Value (dB)
1 MHz	Electric	>128
10 MHz	Electric	92
100 MHz	Electric	68
400 MHz	Plane Wave	60
1 GHz	Plane Wave	57
10 GHz	Plane Wave	50

Typical Properties

Property	Wire Description
Hardness Shore A	67 ± 5
Volume Resistivity (Ω/cm)	5 - 10
Elongation (%)	240
Tensile Strength (MPa)	4.43
Tear Resistance (KN/m)	10.4
Texture and Colour	Smooth, Black
Specific Gravity	1.30
Temperature Range (°C)	-55 to +200

Product Options

We currently offer this product in two options:

CLS-015-15X30 Flat sheet – 150 x 300mm, 1.5mm thick

CLS-9001 Panel edge gasket profile

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We believe the information contained in this datasheet is accurate and representative of the product, however; it is the responsibility of the user to determine the suitability and safety of use in any application. Uvox Ltd has a policy of continual improvement of our products and services, and so reserves the right to change product specification without notice.

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