

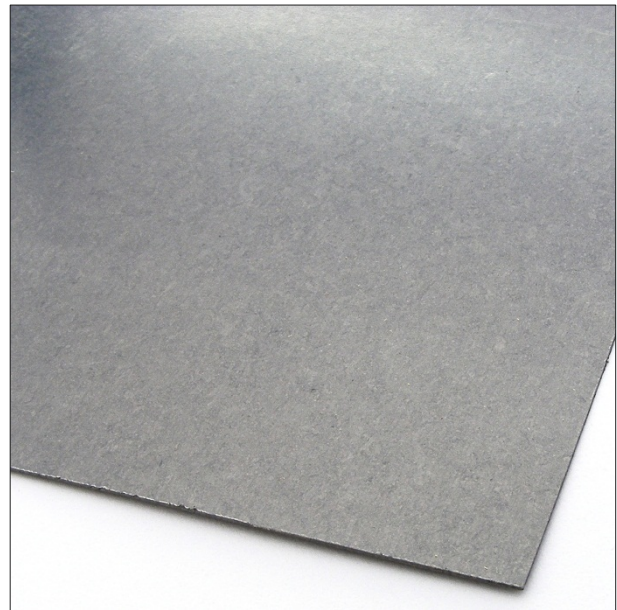


Carbon Sheet - Reinforced

Gasket material giving environmental protection and conductivity

Product Overview

Uvox CSR sheet consists of compressed graphite with a nickel-reinforcing layer. It is highly conductive, making it ideal as an EMC gasket. Available thicknesses range from 0.4mm to 2.0mm. The material is available in sheet or cut to shape. Mounting pressures should be in the range 4.5 to 7.0kg/sq.cm for optimum sealing. At the upper pressure, IP62 can be achieved. Uvox CSR is supplied in 250mm x 250mm square cut sheets.



Applications

- Waveguide and connector gaskets
- Gaskets for cast or machined electronic units
- Combination of thermal transfer and grounding pad for power supplies

Properties

Shielding Effectiveness

Frequency	Typical Value (dB)
1 MHz	>125
10 MHz	>120
100 MHz	>130
400 MHz	>110
1 GHz	85

Typical Properties

Property	Typical Value
Resistivity (Ω/cm)	< 0.01
Flammability – UL94	V2
Temperature Range (°C)	-200 to +500
Hardness, Shore A	85
Tensile Strength (MPa)	>40
Tear Strength (kN/m)	3.5
Available Thicknesses (mm)	0.4 to 2.0

www.uvox.co.uk

Uvox Ltd, 14/3 Stanmore Industrial Estate, Bridgnorth, Shropshire, WV15 5HR UK

Tel: +44(0) 1746 769 369

Fax: +44(0) 1746 766 001

info@uvox.co.uk



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