

J-FLEX MATERIAL DATA SHEET

ELECTRICALLY CONDUCTIVE SILICONE SHEET



Description

Electrically Conductive Grade Silicone is designed to be used in many different applications. It is a carbon filled silicone material that will act as a low amperage conductor and also provides protection against electrostatic discharge.

This material is available in Standard Rolls 500mm wide x 10 metre long.

Thickness range:- 0.2mm, 0.5mm, 0.8mm, 1.0mm, 1.5mm, 2mm, 2.5mm & 3.0mm

PHYSICAL PROPERTIES	Units	Values
Tear Strength	KN/m	12
Compression set (24hrs @ 100°C)	%	8
Hardness	Shore A	75°
Density	g/cm ³	1.22
Tensile Strength	MPa	6
Volume Resistivity	Ω•cm	4.3
Surface Resistivity	Ohm	<180
Elongation	%	150
Temperature	°C	-50 to +240
Appearance	Black colour, smooth surface both sides	

* Volume Resistivity and Surface Resistivity results tested in accordance with Test Method GB/T 1410-2006/IEC 60093: 1980 - Issue date 15-02-2006.

The above values are typical properties and are provided for information only. They should not be used to set specification requirements. It is up to the end user to determine whether the material is suitable for the intended application.

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