

Specification Sheet / 01

Electrically Conductive Silicone Rubber Sheetting



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

Availability

65°shore A, Black, stock in thicknesses of 0.5mm, 0.8mm, 1.0mm, 1.6mm and 3.2mm
Supplied in continuous roll lengths
Widths of 915mm (standard)
Pressure sensitive adhesive backing
Punched and Water jet gaskets
Strips and seals
Fabrications

Temperature Range

Minimum(-54°C;-65°F)
Maximum(260°C;500°F)

Specification

Electrically conductive grade silicone sheetting is designed to be used in many different applications. It is a carbon black filled silicone material that will act as a low amperage conductor, and also provide protection against electrostatic discharge. This material is available in continuous rolls or sheets. It is resistant to extreme high and low temperatures, and is proven to be an excellent gasketing material. Black is the only colour available. Sheet thickness ranges from 0.40mm up to 25.4mm thick.

Environmental Resistance

Silicone rubber products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet light
- Corona discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

Property	Unit	Typical Value	Test Method
Specific Gravity	g/cc	1.17	ASTM D297
Durometer	Shore A ±5	65 ±5	ASTM D2240
Tensile Strength	PSI	775	ASTM D412
Elongation	%	325	ASTM D412
Compression Set (22 Hrs @ 100°C)	%	15	ASTM D395
Tear Strength	PSI Die „B“	70	ASTM D624
Durometer	ohms-cm	5	

Change Control Date	Change
19/06/2019	Created

The above figures are average values.

We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

