

Technical Data Sheet

Silicone Rubber Sheeting

Electrically Conductive



Material

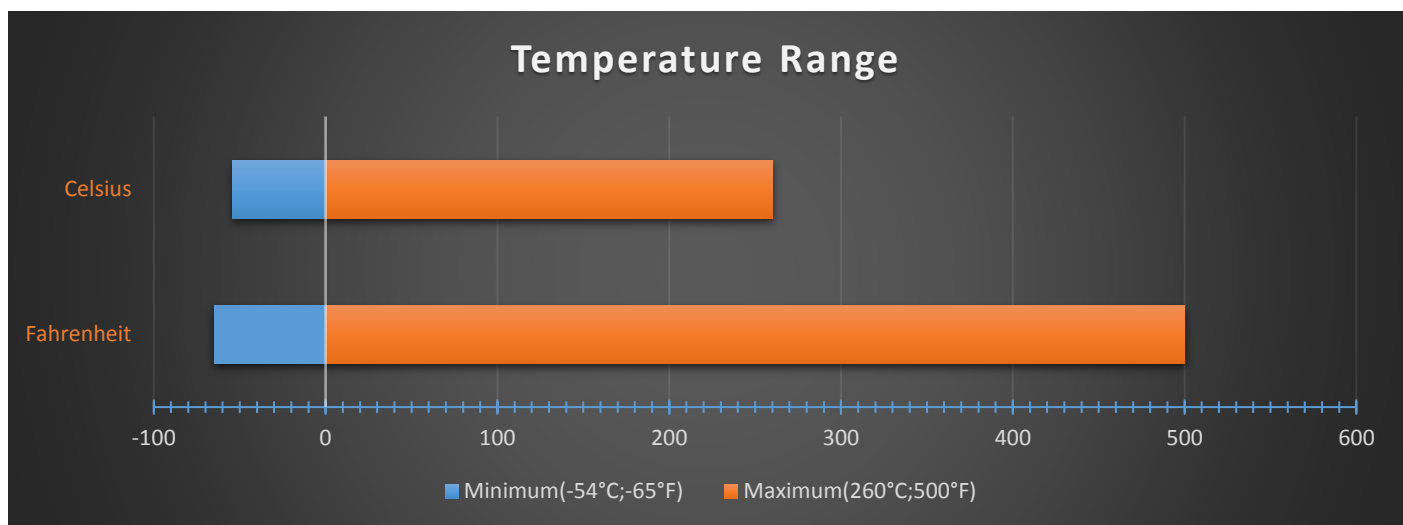
SILEXCOND65

Available Grades

915mm wide rolls, 65°shore A, Black, stock in thicknesses of 0.5mm, 0.8mm, 1.0mm, 1.6mm and 3.2mm

Temperature

Temperature Range



Specifications

Silex Electrically conductive grade silicone sheeting 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.

Please call for many other variations of this material.

Environmental Resistance

Silicone rubber products have an excellent resistance to:

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

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice. Issue date 01.01.2019.

SILEX SILICONES LIMITED

Unit 10, Oakhanger Farm Business Park, Oakhanger, Hampshire, GU35 9JA, Tel 0044 1420 470 360, Fax 0044 472 802

E-Mail: info@silex.co.uk, Website: www.silex.co.uk, Registered in England No. 1951973

Directors: N J R Soudah, S J Fearn

Technical Data Sheet

Silicone Rubber Sheeting

Electrically Conductive



Availability Format

- ✓ Supplied in continuous roll lengths
- ✓ Widths of 915mm (standard)
- ✓ Pressure sensitive adhesive backing
- ✓ Punched and Water jet gaskets
- ✓ Strips and seals
- ✓ Fabrications

Typical Applications

Applications where electrical conductivity and RF/EMI shielding or antistatic qualities are required.

Mechanical Properties

Property	Unit	Typical Value	Test Method
Specific Gravity	g/cc	1.17	ASTM D297
Durometer	Shore A ± 5	65 ± 5	ASTN 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
Volume Resistivity	ohms-cm	5	-

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice. Issue date 01.01.2019.

SILEX SILICONES LIMITED

Unit 10, Oakhanger Farm Business Park, Oakhanger, Hampshire, GU35 9JA, Tel 0044 1420 470 360, Fax 0044 472 802

E-Mail: info@silex.co.uk, Website: www.silex.co.uk, Registered in England No. 1951973

Directors: N J R Soudah, S J Fearn

Technical Data Sheet
Silicone Rubber Sheeting
Electrically Conductive



Accreditations

Additional Information

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice. Issue date 01.01.2019.

SILEX SILICONES LIMITED

Unit 10, Oakhanger Farm Business Park, Oakhanger, Hampshire, GU35 9JA, Tel 0044 1420 470 360, Fax 0044 472 802
E-Mail: info@silex.co.uk, Website: www.silex.co.uk, Registered in England No. 1951973
Directors: N J R Soudah, S J Fearn