

Technical Data Sheet

Silicone Rubber Sheeting Electrically Conductive



Material

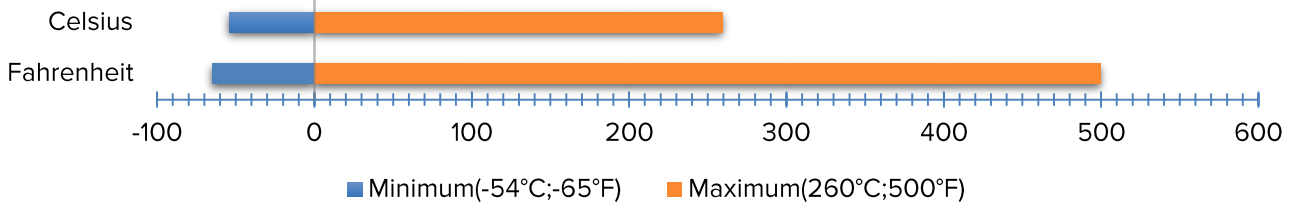
Silex Black Conductive 65



Available Grades

ELC65

Temperature Range



General Information

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, while also providing 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 9.60 mm thick. Please call for 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 LTD

Silex Ltd, Unit 10, Oakhanger Farm Business Park, Oakhanger, Bordon, Hampshire, GU35 9JA. Tel 00 44 1420 470360, Fax 00 44 1420 472802

E-Mail: sales@silex.co.uk, Website: www.silex.co.uk, Registered company number: 1951973. Place of registration: England & Wales. Directors: K Soudah, S.J. Fearn, P Millson, Ray Soudah

Technical Data Sheet

Silicone Rubber Sheeting Electrically Conductive



Mechanical Properties

Property	Units	Typical Value	Test Method
Specific Gravity	kg.m ³ lb.ft ³	1.17	ASTM D297
Durometer	Shore OO Shore A	65 ±5	ASTM D2240
Tensile Strength	PSI	775	ASTM D412
Elongation	%	325	ASTM D412
Compression Set 22 Hrs @ 1000°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 LTD

Silex Ltd, Unit 10, Oakhanger Farm Business Park, Oakhanger, Bordon, Hampshire, GU35 9JA. Tel 00 44 1420 470360, Fax 00 44 1420 472802
E-Mail: sales@silex.co.uk, Website: www.silex.co.uk, Registered company number: 1951973. Place of registration: England & Wales. Directors: K Soudah, S.J. Fearn, P Millson, Ray Soudah

Technical Data Sheet

Silicone Rubber Sheetting 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 RFI/EMI shielding or antistatic qualities are required.

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 LTD

Silex Ltd, Unit 10, Oakhanger Farm Business Park, Oakhanger, Bordon, Hampshire, GU35 9JA. Tel 00 44 1420 470360 , Fax 00 44 1420 472802

E-Mail: sales@silex.co.uk, Website: www.silex.co.uk, Registered company number: 1951973. Place of registration: England & Wales. Directors: K Soudah, S.J. Fearn, P Millson, Ray Soudah