Technical Data Sheet

Silicone Rubber Sheeting Electrically Conductive

SILEX LTD
SILICONE EXPERTS SINCE 1985

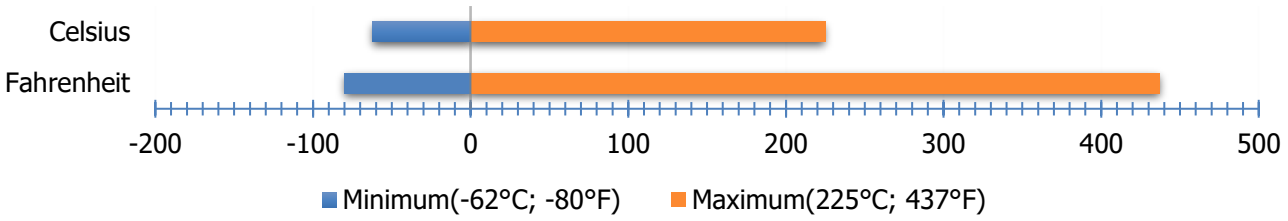
Material

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 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 will 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 0.50mm up to 6.35mm 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

SILEX LTD
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E-Mail: sales@silex.co.uk, Website: www.silex.co.uk, Registered company number: 1951973. Place of registration: England & Wales.

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Availability Format

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

Typical Applications

- Electrically conductive gaskets
- Ignition gaskets
- Band electrodes
- Applications where electrical conductivity and RFI/EMI shielding or antistatic qualities are required

Mechanical Properties

Property	Units	Typical Value	Test Method
Specific Gravity	g/cc	1.17	ASTM D297
Durometer	Shore A ±5	65 ±5	ASTN D2240
Tensile Strength	Mpa, PSI	5.2, 774	ASTM D412
Elongation	%	260	ASTM D412
Compression Set (70 Hrs @ 150°C / 25%)	%	26	ASTM D395
Tear Strength	Kn/m, ppI	8, 46	ASTM D624
Electrical Conductivity	ohms-cm	5	ASTM D991

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General Characteristics

- Surface finish: glossy smooth

Additional Information

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