

Technical Data Sheet

Silicone Rubber Sheeting Electrically Conductive



Material

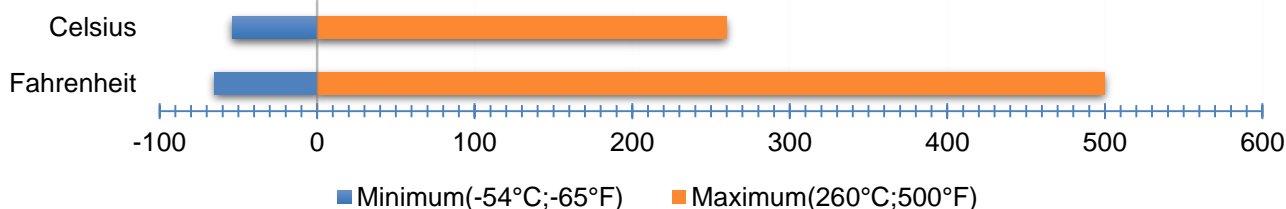
Silex Black Conductive 65



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 25.4mm 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

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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	MP0.6	775	ASTM D412
Elongation	kPa PSI	325	ASTM D412
Compression Set 22 Hrs @ 100°C	MPa PSI	15	ASTM D395
Tear Strength	%	70	ASTM D624
Volume Resistivity	%	5	

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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.

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