

TECHNICAL DATA SHEET

SILICONE RUBBER SHEETING ELECTRICALLY CONDUCTIVE



MATERIAL

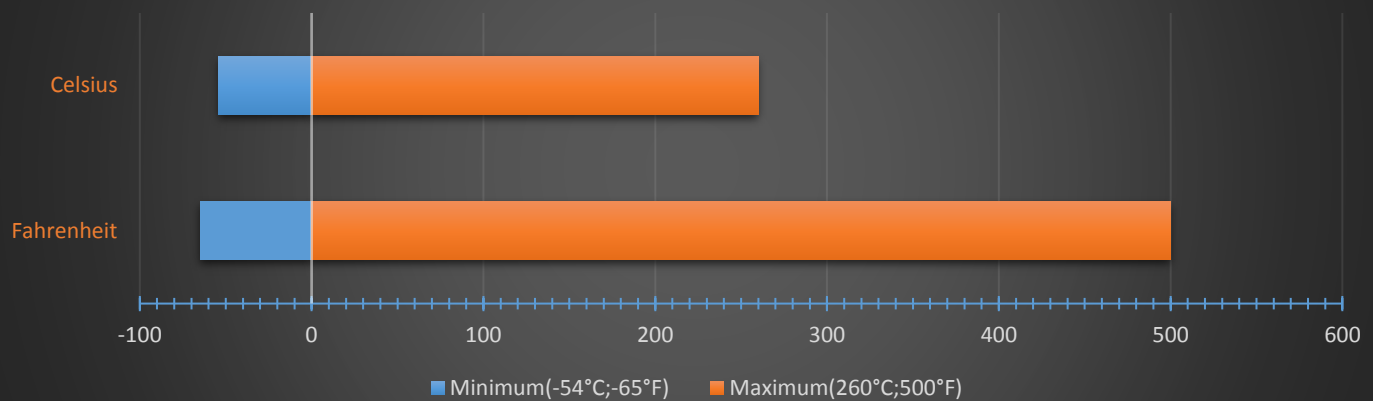
ELC65

AVAILABLE GRADES

915mm wide rolls, 65°shore A, Black, thicknesses of 0.5mm, 0.8mm, 1.0mm, 1.6mm and 3.2mm available from stock at Silex Ltd.

TEMPERATURE

Temperature Range



SPECIFICATIONS

MVQ 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.

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.

MVQ SILICONES GMBH

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Director: K Soudah

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AVAILABILITY FORMAT

- ✓ Supplied in continuous roll lengths up to 10 meter
- ✓ 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	-

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ACCREDITATIONS

UL94HB rated for 0,8mm and above.

ADDITIONAL INFORMATION

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