



## ELECTRICALLY CONDUCTIVE SILICONE RUBBER

### MATERIAL SPECIFICATION SHEET

#### DESCRIPTION

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 gasket material. Black is the only colour available.

Sheet thickness ranges from 1/64" up to 1" thick.

#### FEATURES

- Excellent Gasket Material
- Extreme High and Low Temperature Resistant
- Good Flame Retardant Properties
- Low Compression Set
- Low Amperage Conductor, RFI/EMI Shielding
- Protection Against Electrostatic Discharge
- UL94 HB Rated for 0.8mm + thickness

#### PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	TYPICAL PROPERTIES
Specific Gravity, G/CC	ASTM D297	1.17
Durometer, Shore A	ASTM D2240	65 ± 5
Tensile Strength, psi	ASTM D412	775
Elongation, %	ASTM D412	325
Compression Set % (22 hrs @ 212°F)	ASTM D395	15
Tear, psi Die "B"	ASTM D624	70
Temperature Range	(°F)	-65 to + 500
Volume Resistivity		5 (ohms-cm)



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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