宇航橡胶
YuHang Rubber
RUBBER

南京宇航橡胶有限公司
NANJING YUHANG RUBBER CO.LTD

Manufacturers · Designers · Distributors

Conductive Silicone Sheeting Datasheet

Product Code: RC0323-EC

Product Description

Our electrically conductive silicone sheets offer protection in a wide variety of applications. You can use this product as either a low amperage conductor or as protection against electrostatic discharge. Our conductive silicone sheets combine silicone with a carbon compound which gives it unique features compared to standard silicone grades.

Available In -

Full Rolls | Cut to strip | Bespoke Gaskets

Technical Specification

Properties	Test Method	Values
Specific Gravity	ASTM D297	1.17 g/cc
Durometer	ASTM D2240	65°±5 Shore A
Tensile Strength	ASTM D412	5.2 Mpa, 774 PSI
Elongation	ASTM D412	260%
Compression Set (70hrs @ 150°C / 25%)	ASTM D395	26%
Tear Strength	ASTM D624	8 Kn/m, 46 PPI
Electrical Conductivity	ASTM D991	5 ohms-cm
Temperature Range	-62°C to +225°C	

REACH COMPLIANT · COMPLIANT

QMS ISO 9001 : 2015 REGISTERED

The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

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Environmental Resistance

Silicone rubber products have excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet light
- Corona discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

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

Material

Electrically conductive silicone rubber

Available Grades

915mm wide rolls, 65° shore A, Black, stock in thicknesses 0.5mm, 0.8mm, 1.0mm, 1.6mm, 3.2mm and 6.35mm

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