

Metal Detectable Silicone Sheeting Datasheet

Product Code: RC0354

Product Description

This metal detectable silicone rubber sheeting is an FDA approved, high quality sheet. What sets this product apart from our other food safe products is that this sheeting contains additives which are visible to metal detector scanning equipment. This minimises the risk of foreign objects contaminating food or sensitive equipment.

Technical Specification



Property	Standard Value	Extra Power Value	Extra Strength Value	Test Method
Hardness (Shore A)	63	63	61	ASTM D2240
Tensile Strength (Mpa)	8.0	8.5	7.5	ISO 37 type 1
Elongation at Break (%)	370	290	290	ISO 37 type 1
Tear Strength (N/mm)	21	22	21	ASTM D624 die B
Compression Set 24hrs @ 150°C	11	14	13	DIN/ISO 815 type B
Compression Set 22hrs @ 300°C	11	14	13	ASTM D395 method B type 2
Magnetic Pull	7.3	8.3	11.3	SEWI 700
Temperature Range	-60°C to +200°C			

Accreditations

- FDA
- FAR 25JAR 25/CS Appendix F, Part 1 (a)(1)(iv) and (a)(1)(v) horizontal flammability test
- Automotive standard PART 571MVSS302
- EU 1935/2004 compliant
- REACH compliant and RoHS compliant



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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General Characteristics

Test	Result	Standard
Brittle Point	-80°C	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹	VDE 0304
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	
Dielectric Strength	23 kV.mm ⁻¹	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 ⁻⁴	VDE 0303
Volume Resistivity	3x10 ¹⁵ Ω.cm	VDE 0303

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 1000mm (standard)
- Pressure sensitive adhesive backing
- Punched and water jet cut gaskets
- Fabricated seals and gaskets
- Slit strips

Typical Applications

- Commercial Catering
- Food & Beverage

Material

Metal detectable silicone

Available Grades

60° Shore A, 1.2m wide in a full range of thicknesses in standard grade (others available)

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