

Silicone Vacuum Sheeting Datasheet

Product Code: RC0323-VAC

Product Description

Our silicone vacuum sheets feature far superior elongation, abrasion resistance and life expectancy compared to standard silicone. The excellent durability and resistance that our silicone vacuum sheets offer make them a highly versatile product. They are ideal for use in vacuum bagging applications as they provide high flexibility and abrasion resistance.



Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

Technical Specification

Properties	Test Method	Values
Hardness (Shore A)	ASTM D2240	50° ± 5°
Tensile Strength	BS ISO 37	8.5 MPa
Elongation at Break	BS ISO 37	750%
Compression Set (24h, 150°C)	BS 903 pt A6 type B	24%
Working Temperature Range	-	-60°C to + 200°C
Tear Strength	ASTM D 624 die B	40.0 N/mm
Brittle Point	ASTM D746	-80°C (-112°F)
Limiting Oxygen Index	BS 2782 Part 1	24.0%
Thermal Conductivity	VDE 0304	0.24 W.m ⁻¹ .K. ¹
Radiation Resistance	-	>10 ⁵ Grays (10 ⁷ Rads) typical
Dielectric Strength	VDE 0303	23 kV.mm ⁻¹
Dielectric Constant	VDE 0303	2.9
Dissipation Factor	VDE 0303	3x10 ⁻⁴
Volume Resistivity	VDE 0303	3x10 ¹⁵ Ω.cm



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.

Measurements

Properties	Value
Thicknesses	1.0, 1.5, 2.0, 3.0 mm
Width	1800 mm
Colour	Transparent

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 up to 10m long
- Widths of 1800mm (standard)
- 1.0mm, 1.5mm, 2.0mm, 3.0mm (standard thickness)
- Translucent with a blue tint

Typical Applications

Membranes in vacuum forming machines. Used in industries such as:

- Aerospace
- Automotive
- Composites
- Energy
- Furniture Lamination



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Accreditations

- REACH compliant and ROHS compliant
- FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) (a)(1)(v) horizontal flammability test
- Automotive Standard PART 571MVSS302

Material

High Tear Resistant and High Elongation
Vacuum Grade Silicone

Available Grades

Standard 1.8m wide in 50° shore A, can be
produced in special hardnesses on request



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