

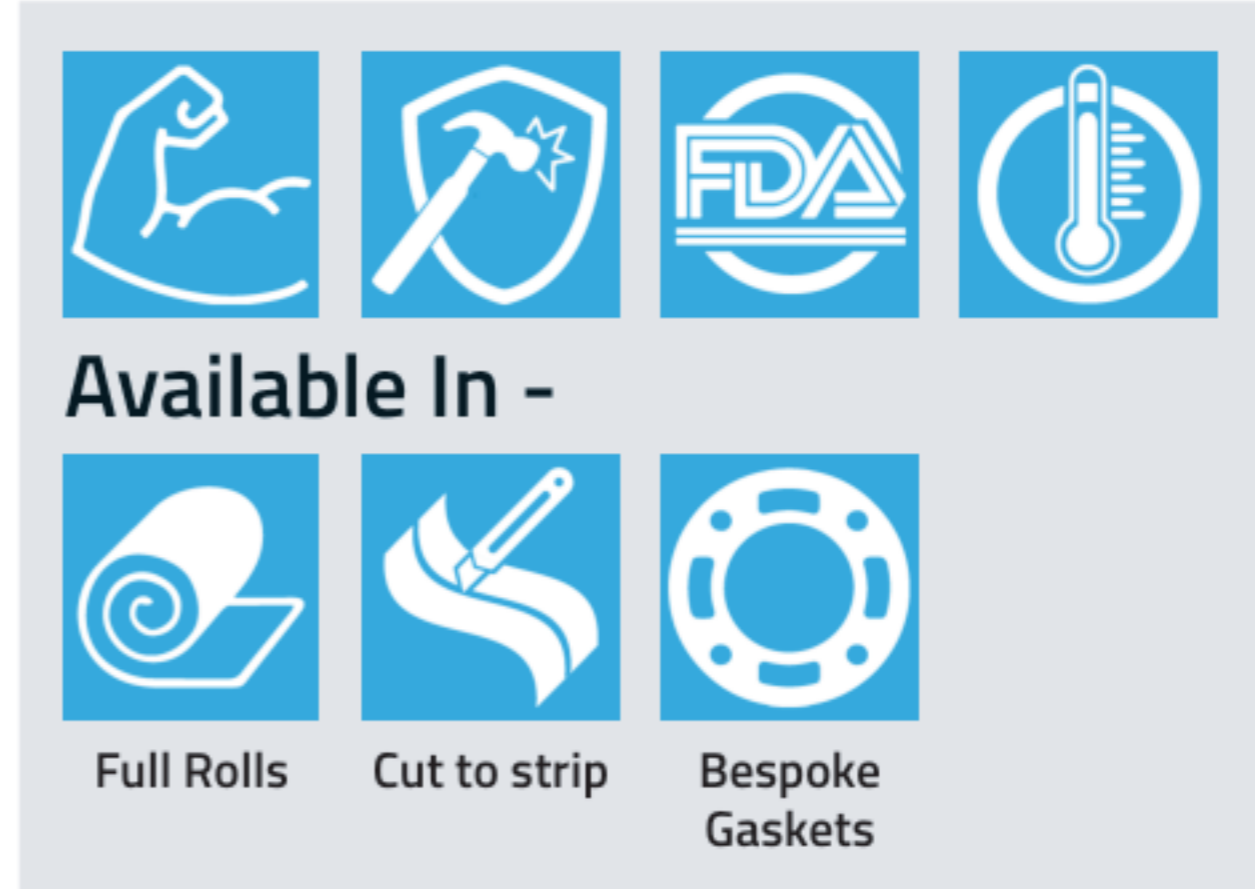
Glass Reinforced Silicone Sheeting Datasheet

Product Code: RC0323-REINFORCED

Product Description

Our glass reinforced silicone sheets offer the same wide functioning temperature range and resistant properties as standard silicone, while also offering superior tear resistance. Despite offering superior strength properties, this product is still odourless, tasteless, chemically inert as well as non-toxic. They are also suitable for use in food contact applications.

Technical Specification



Properties - Silicone Rubber	Test Method	Values
Hardness (Shore A)	ASTM D2240	60° ± 5°
Tensile Strength	ASTM D412 die C	1450 PSI
Elongation at Break	ASTM D412 die C	400%
Tear Strength	ASTM D624 die B	22 N/mm
Adhesion Strength	SEWI 593	12 N/25mm
Working Temperature Range	-	-60°C to + 230°C
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



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.

Properties - Glass Cloth Insert	Values
Composition	Glass
Weight	204 g/cm ²
Warp Count	680 d'tex
Weave	Plain
Thickness	0.18mm

Thickness - Finished Article	Construction (Sil + Glass + Sil)	Tolerances
1.5mm	0.65 + 0.20 + 0.65	± 0.2mm
2mm	0.90 + 0.20 + 0.90	± 0.2mm
3mm	1.40 + 0.20 + 1.40	± 0.2mm
4mm	1.90 + 0.20 + 1.90	± 0.2mm
5mm	2.40 + 0.20 + 2.40	± 0.2mm
6mm	2.90 + 0.20 + 2.90	± 0.2mm

General Information

Our specially formulated 1 ply glass reinforced sheeting for applications where supported materials are needed to reduce stretch and elongation. It can be applied to fabrics such as glass fibre, polyester and Kevlar® cured and uncured or on polythene liners in a catalysed uncured state.

Environmental Resistance

Silicone rubber products have excellent resistance to:

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



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Availability Format

- Supplied in continuous roll lengths
- Widths of 1000mm as standard, wider available on request
- Capability to colour match

Typical Applications

- Reinforced gasket
- Seals and fabrications
- Automotive hose building in uncured format
- Heater pads
- Fabricated articles



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