

## Platinum Cured Silicone Sheeting Datasheet

Product Code: RC0323-PLAT

### Product Description

Platinum Cured Silicone Rubber Sheets are crafted from premium quality materials known for their excellent transparency and mechanical strength. These sheets undergo thorough post-curing processes to meet the strict standards set by FDA, BfR, and EU 1935/2004 for food contact safety. Our translucent sheets have received WRAS approval, making them suitable for use with potable water at temperatures of up to 85°C. Our products also fulfill the flammability criteria outlined in FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests, as well as the Automotive standard Part 571FMVSS302.



Available In -



Full Rolls

Cut to strip

Bespoke  
Gaskets

### Technical Specification

Properties	Units	Typical Value	Typical Value	Typical Value	Test Method
Hardness	Shore A	50	60	70	ASTM D2240 DIN 53505
Tensile Strength	Mpa psi	9.5 1380	10.5 1525	10.5 1525	ISO 37 Type 1 ASTM D\$12 die C DIN 53504 type S1
Elongation to failure	%	750	725	725	ISO 37 Type 1 ASTM D\$12 die C DIN 53504 type S1
Tear Strength	N/mm Lb/in	30 171	35 200	38 217	ASTM D\$12 die B
Compression Set 24 hours @ 150°C	%	15	13	13	ASTM D\$12 die B DIN 53517 type 1 ISO 815 type B
Temperature Range	-60°C to +230°C (250°C intermittent)				



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.

## 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 gaskets
- Full range of standard colours
- Capability to colour match

## Typical Applications

Platinum Cured Silicone Sheets contain no peroxide curing agents and are generally used where peroxide byproducts need to be avoided. Applications included

- Domestic & Commercial Catering Equipment
- Food
- Pharmaceutical
- Medical
- Beverage
- Water Industries

## Accreditations

- FDA Compliant
- BfR Compliant
- REACH Compliant and RoHS Compliant

## Material

Platinum 60

## Available Grades

60°C Sh A translucent as standard



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