

Technical Data Sheet

Silicone Rubber Sheeting Platinum Cured Calendered



Material

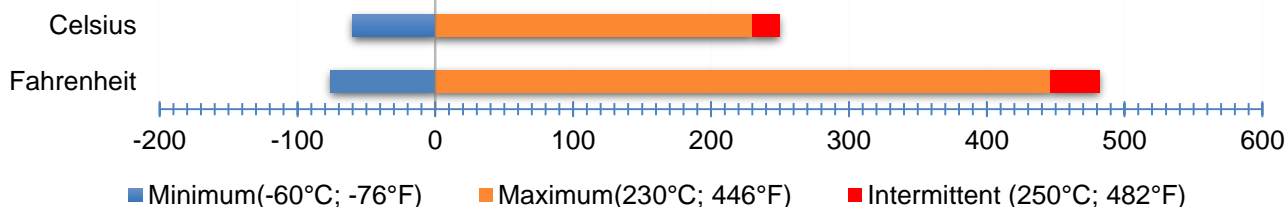
NGP 60 Platinum



Available Grades

60° Sh A Translucent as standard

Temperature Range



General Information

Silex Platinum Cured Silicone Rubber Sheets are produced from high quality grades exhibiting good transparency and mechanical properties. The Sheets are properly post-cured to comply with the requirements of FDA, BfR and EU 1935/2004 food contact regulations.

Translucent has been approved to WRAS for use with potable water at temperatures up to 85°C. These products meet the flammability requirement of FAR 25/ JAR 25/ CS 25 Appending F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive standard Part 571FMVSS302.

Environmental Resistance

Silicone rubber products have an excellent resistance to:

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

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice. Issue date 01.01.2019.

SILEX SILICONES LTD

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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

Silex Platinum Cured Silicone Sheets contain no peroxide curing agents and are generally used where peroxide biproducts need to be avoided. Applications include:

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

Mechanical Properties

Property	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 DIM 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

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Accreditations

- FDA compliant
- BfR compliant
- USP Class VI compliant*
- REACH compliant and RoHS compliant

*the used rubber is compliant as per below information however, the production process is not certified to the same level. Please speak to your sales support for additional information.

Additional Information

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