

Our Translucent Silicone Rubber Sheet is a high quality, industrial-grade silicone elastomer. Available in a selection of thicknesses, this rubber is suitable for use in a wide temperature range and has good electrical insulation properties.

Our Translucent Silicone provides consistently high performance. It offers a number of benefits, including:

Translucent Colour

Translucent, clear, semi-transparent; this rubber has a few different adjectives attached to it. We choose to stick with Translucent because (at least in our minds) it best captures the slightly cloudy nature of its appearance.



[View the Product Page](#)

FDA Certified for Food Grade Applications & More.

Our Translucent Silicone is manufactured in the United States using only FDA Approved Ingredients. It meets the requirements of FDA/CFR Title 21 CFR 177.2600. It is also approved by WRAS for potable water service and meets automotive standards for flammability requirements.

Excellent Sealing Properties and Good Media Resistance.

This type of silicone rubber is a solid grade with a shore hardness of 40 Shore A. It is suitable for use in a variety of different gasket, washer and sealing applications. It is also resilient and has a minimum elongation of 625% and a tensile strength of 9 MPa.

Our Translucent Silicone can withstand temperatures between -62°C and +232°C.

This rubber also has excellent weather and UV resistance as well as very good dielectric and electrical insulation properties. It also withstands attack from many different types of chemicals and fluids. This includes good resistance to ozone, oxidation, ultraviolet light, corona, discharge, cosmic radiation, ionizing radiation.

Applications

- Rubber liners for food processing areas and equipment.
- Food grade gaskets and seals for potable water piping.
- High temperature sealing applications.
- As an isolator and/or insulator in electronics and for electrical component repairs.
- For industrial rollers and press-pads.
- For thermal shielding.
- In heat sealing equipment and packaging machines.
- For automotive seals and hoses.
- Shaft sealing rings.
- Spark plug caps.
- For anti-vibration and sound damping applications.

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

Date Created: 1/9/2019

Date Modified: 3/9/2018

Document # SSD-TDS-SWP000341

Technical Details

Property	Typical Value	Test Standard(s)
Colour	Translucent	---
Hardness (Durometer)	40 ±5 Shore A	ASTM D-2240
Temperature Range (Continuous)	-60°C to +230°C	---
Temperature Range (Short-Term)	250°C	---
Brittle Point	-80°C	ASTM D-746
Tensile Strength	9 MPa	ISO 37 Type 1
Elongation	625%	ASTM D-412
Tear Strength	23 N/mm	ASTM D624 die B
Compression Set 24 Hours @ 150°C	25%	Din/ISO 815 Type B
Compression Set 22 Hours @ 300°C	22%	ASTM D395 Method B Type 2
Limiting Oxygen Index	24%	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
Weather & UV Resistance	Excellent	---

Certifications

- American Food and Drugs Administration (FDA) 21 CFR 177-2600
- B FR XV Empfehlung and colour bleed test according to BFR Empfehlung part B 11 & Directive EC 1935/2004.
- Approved by WRAS (Water Regulations Advisory Service) for use with potable water at temperatures up to 85°C (185°F). The listing number is 1310541.
- Meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571FMVSS302.

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

Date Created: 1/9/2019

Date Modified: 3/9/2018

Document # SSD-TDS-SWP000341

Available Sizes, Forms and Styles

Translucent Silicone Rubber is available by the metre from Swift Supplies Online Australia in the standard thicknesses listed below.

Standard Thicknesses

- 1mm
- 3.2mm
- 6mm
- 8mm

Other thicknesses can also be arranged upon request.

All thicknesses are supplied from rolls are 1200mm wide.

Pieces, Cut Strips, Custom Sizes and Special Requests

We're always happy to help with special requirements. If the size you require for your project isn't listed here please do reach out to us. We'll do our very best to help in any way we can.

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

Date Created: 1/9/2019

Date Modified: 3/9/2018

Document # SSD-TDS-SWP000341