

Translucent Silicone Sheet

Silicone Sealing Gasket Material



The Translucent Silicone Sheet has excellent resistance to ozone, oxidation, UV, corona discharge, cosmic radiation, ionising radiation and weathering in general. Applications of the Translucent Silicone Sheet: Automotive, Domestic & Commercial, Catering, Construction, Electronics, Energy, Food & Beverage, HVAC, Lighting, Marine. NB: Care should be taken in selecting the most suitable quality for each individual application.

Features

- Resistance to ozone
- Resistance to oxidation
- Resistance to Cosmic Radiation

Availability

- Available in standard thicknesses of 1mm – 20mm
- Colours available: Translucent, Blue, White, Red, Black
- Available as custom kiss-cut parts on rolls

Typical Physical Properties

Property	Test Method	Silicone
Brittle Point	ASTM D746	-80°C (-112°F)
Limiting Oxygen Index	BS 2782 Part 1	24.0%
Thermal Conductivity		0.24 W.m-1 .K-1
Radiation Resistance		>105 Grays (107 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	3x10150.cm
Temperature		-60°C+230°C intermittent

Benefits

- Excellent resistance to temperature extremes
- Thermal Conductivity: 0.24 W.m-1 .K-1
- Radiation Resistance: >105 Grays (107 Rads) typical
- fully compliant to FDA 177.2600 and EC 1935/2004 ideal for direct food contact

Recommended Uses

- Automotive, Domestic & Commercial, Catering, Construction, Electronics, Energy, Food & Beverage, HVAC, Lighting, Marine

Electrical and Mechanical Information

Property (unit)	Test Method	Silicone
Hardness Shore A ±5	ASTM D2240 DIN ISO 7619-1	60
Tensile Strength Mpa (Psi)	ISO 37 Type 1 ASTM D412 die C DIN 53504 type SI	10.0(1450)
Elongation to failure (%)	ISO 37 Type 1 ASTM D412 die C DIN 53504 type SI	400
Tear Strength (N/nm)	ASTM D624 die B	22
Compression Set 24hrs @ 150°C % 24hrs @ 150°C %	BS903 PT A6 type B DIN/ISO 815 type B 22hrs @ 300°C " 10 ASTM D395 method B Type 2	13 10



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This material is often used in these industries:



Industrial



LED



Automotive