

Clear Silicone Sheeting Datasheet

Product Code: RC0323-TRAN

Product Description

Our clear silicone sheets are the only sheeting product which offers "glass clear" transparency, while still maintaining excellent durability and flexibility. This material is cured using high quality platinum. Platinum cured silicone is non-toxic, non-yellowing and contains no peroxide by products.



Available In -



Full Rolls

Cut to strip

Bespoke
Gaskets

Technical Specification

Properties	Test Method	Values
Colour	-	Transparent
Thickness (mm)	Internal	0.250 - 3.18
Specific Gravity (g/cc)	Internal	1.07
Hardness (Shore A)	ASTM D2240	41
Compression Set (%)	ASTM D395	<35
Tensile Strength (Mpa)	ASTM D412	7.17
Elongation (%)	ASTM D412	325
Tear Resistance (ppi)	ASTM D624	112
Dielectric Strength (Volts/mil)	ASTM D149	386
Dielectric Constant (1 kHz)	ASTM D150	2.76
Dissipation Factor (1 kHz)	ASTM D495	0.003
Dry Arc Resistance (Seconds)	ASTM D495	124
Volume Resistivity (Ohm-cm)	ASTM D257	10 ^14



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Technical Specification Continued

Properties	Test Method	Values
Temperature Range (°C)	Internal	-55°C to +200°C
Thermal Conductivity (W/m °K)	ASTM D518	0.21
Low Temperature Brittleness	ASTM D2137 -62°C / 3 min	Pass

Standard Thickness Tolerances

Nominal Thickness (mm)	Tolerance (mm)
0.254	± 0.051
0.508	+0.076 / -0.051
0.787	± 0.102
1.600	± 0.152
3.175	± 0.203

Slit Material and Tape (PSA) Width Tolerances

Nominal Thickness (mm)	Tolerance (mm)
> 0 - 76	± 1.60
> 76 - 203	± 2.39
> 203 - 305	± 3.18
> 305 - 457	± 4.78
> 457 - 660	± 5.56
> 660 - 914	± 25.4 / -0



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Liner

Material is shipped between one or two clear PET carriers for easy handling based on product thickness. Liner must be removed prior to die cutting to allow the material to shrink and relax.

Thickness (mm)	Construction (Liner Type)
≤0.787	PET Liner Two Sides
>0.787	PET Liner One Side

Value Added Offerings

- Adhesive (PSA) lamination on ≥ 0.787mm (0.031")
- Slit material tapes



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