

General Purpose Silicone Rubber Sheet

Premium quality silicone sheet. Manufactured in Europe. Excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmetic radiation, radiation and weathering in general. Typical radiation resistance is greater than 10⁵ grays.

Product Details

- Temperature Range: -60°C to 230°C
- Colours: White, Translucent, Red Oxide and Blue
- Approvals: FDA Standard 21 CFR 177.2600, BFR XV, EU 1935/2004, WRAS, FAR 25/ JAR 25 /CS 25 Horizontal Flammability Tests and Automotive Standard Part 571MVSS302, REACH and RoHS.



Physical Properties	Test Method	Units	Typical Values
Hardness	ASTM D412	ShA	60
Elongation at Break	ASTM D412	%	400
Tensile Strength	ASTM D412	MPa	10
Tear Resistance	ASTM D412	kN/m	22
Compression Set 24hrs @ 150°C		%	13
Brittle Point	ASTM D746	°C	-80
Thermal Conductivity	VDE 0304	W.m ⁻¹ .K. ¹	0.24
Limiting Oxygen Index	BS 2782 Part 1	%	24
Radiation Resistance		Grays	>10 ⁵ (10 ⁷ Rads typical)
Dialectic Strength	VDE 0303	kV.mm ⁻¹	23
Dialectic Constant	VDE 0303		2.9
Dissipation Factor	VDE 0303		3x10 ⁻⁴
Volume Resistivity	VDE 0303	Ω.cm	3x10 ¹⁵ Ω.cm

Thickness (mm)	0.3	0.5	0.8	1	1.5	2	2.5	3	4	5	6	8	10	12
Tolerance (mm)	±0.2	±0.2	±0.2	±0.2	±0.2	±0.3	±0.3	±0.3	±0.3	±0.4	±0.4	±0.8	±1.0	±1.2
Width tolerance	± 2%													
Length tolerance	± 5%													
Hardness tolerance	± 5 ShA													

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