

Metal Detectable Silicone Sheeting

Our long-lasting metal detectable silicone rubber sheet comes in a hardness of 60° shore A. Fully compliant to industry standards, metal detectable sheeting allow fragments of failed seals to be found and isolated safely. Popular in the food processing and pharmaceutical industries, the superior flexibility, elasticity and heat resistance make this the only choice for when extra care is needed. This rubber sheeting is available with pressure sensitive adhesive backing. Polymax also provide a fabrication service to create gaskets or strips - please call us for more information.

Approvals

FDA Standard 21 CFR 177.2600, FAR 25/ JAR 25 /CS 25 Horizontal Flammability Tests and Automotive Standard Part 571MVSS302, REACH and RoHS.

Operating temperature range: -60°C to 200°C

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D412	ShA	63
Elongation at Break	ASTM D412	%	370
Tensile Strength	ASTM D412	MPa	8
Tear Resistance	ASTM D412	kN/m	21
Compression Set 24hrs @150		%	11
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	>105
Dielectric Strength	VDE 0303	kV.mm-1	23
Dielectric Constant	VDE 0303		2.9
Dissipation Factor	VDE 0303		3x10 ⁻⁴
Volume Resistivity	VDE 0303	ohms.cm	3x10 ¹⁵

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