

Vacuum Forming Silicone Sheetting

Polymax vacuum forming silicone sheetting has a long life and self healing properties. The specially formulated material provides excellent elongation and high tear properties, increasing production lifecycles of the vacuum or lamination process considerably longer than those by unrefined polymers. Vacuum forming sheets are 1.8m wide, up to 4mm thick and roll lengths manufactured up to the customer's requirements.

Approvals

REACH and RoHS.

Operating temperature range: -60°C to 230°C

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D412	ShA	50
Elongation at Break	ASTM D412	%	750
Tensile Strength	ASTM D412	MPa	8.5
Tear Resistance	ASTM D412	kN/m	40
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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