

Flame Retardant Silicone Sponge Sheeting

This product joins our comprehensive range of flame-retardant silicone sponge sheeting, meeting the requirements of both FAR 25/ JAR 25/ CS and 49 CFR 571.302 horizontal flammability tests. It offers dust ingress protection up to IP65 and features a closed cellular structure to prevent water absorption. Polymax offer this grade of sheeting in 256 kg.m-3 as standard with the availability to meet densities ranging from 195 to 550 kg.m-3 on request. A great all-round solution for creating custom gaskets and seals or providing anti-vibration protection for use in the automotive, energy, electronic, heating, ventilation and lighting industries.

Approvals

FAR 25/ JAR 25 /CS 25 Horizontal Flammability Tests, Automotive Standard Part 571MVSS302 and IP65.

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

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D412	ShA	9
Elongation at Break	ASTM D412	%	180
Tensile Strength	ASTM D412	MPa	0.53
Compression Set 22h @ 70°C		%	2.33
Brittle Point	ASTM D746	°C	-80
Thermal Conductivity	BS 874 Part 2	W.m ⁻¹ .K. ¹	6.4x10 ⁻²
Limiting Oxygen Index	BS 2782 Part 1	%	24
Radiation Resistance		Grays	>105

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