

SILOCELL FDA Silicone Sponge Sheetting

This silicone sponge is FDA 21 CFR 177-2600 approved for use in food and drink applications.

Approvals

FDA Standard 21 CFR 177.2600, FAR 25/ JAR 25 /CS 25 Horizontal Flammability Tests, Automotive Standard Part 571MVSS302 and EU 1935/2004.

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

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D412	ShA	15
Elongation at Break	ASTM D412	%	590
Tensile Strength	ASTM D412	MPa	0.9
Compression Set 50% 22hrs @70		%	3.5
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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