



Flame Retardant Silicone Sponge with Fabric Finish

This medium density silicone sponge is a flame-retardant closed cell foam that has been compounded to meet the UL rating of UL-94HB flame requirements. This material is flexible, compressible, and designed for use in extreme temperature ranges.

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

Flame Retardant Silicone Sponge			
Physical Property	Test Method	Unit	Value
Compression Deflection	ASTM D1056	psi	10
		kPa	70
Elongation	ASTM D412	%	125
Tensile Strength	ASTM D412	psi	75
		kPa	518
Compression Set	ASTM D1056	%	5
Density	ASTM D3574	lbs/ft³	29
		kg/m³	470
Water Absorption	ASTM D471	%	<5
Operating Temperature	--	°F	-100 - +500
Shelf Life	70°F (21°C), <50% relative humidity, away from direct heat and sunlight	Months	120 from shipment date
Industry Standards			
UL 94 HBR	Meets UL flammability classification with a 94 HBF rating		
UL 157	Recognized weather seal gasket		
AMS 3195	Capable of meeting for closed cell specification		
DMS1980	Grade 2		
FDA regulation 21 CFR 177.2600	Rubber articles intended for repeated use		
Capable of meeting MIL-R-6130 Type II, Grade B and Grade C/ASTM D6576 Type 2, Grade A, B, and C			