



Firm Density Silicone Sponge

Firm silicone sponge rubber is a closed cell sponge that can be used in most gasketing applications. This material is flexible, compressible, and designed for use in extreme temperatures. It has excellent weatherability, compression set resistance, electrical strengths, and non-stick properties.

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

Firm Silicone Sponge

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Compression Deflection	ASTM D1056	psi	16
		kPa	110
Elongation	ASTM D412	%	200
Tensile Strength	ASTM D412	psi	130
		kPa	897
Compression Set	ASTM D1056	%	15
Density	ASTM D3574	lbs/ft ³	43
		kg/m ³	692
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

FDA regulation 21 CFR 177.2600 Rubber articles intended for repeated use
UL-Recognized Weather seal gasket
Capable of meeting MIL-R-6130 Type II, Grade B and Grade C/ASTM D6576 Type 2, Grade B and Grade C MIL-R-46089.
Capable of meeting AMS 3195 closed-cell specification.