



Firm Grade Silicone Foam

Firm closed cell silicone foam provides long term sealing and reliability in various weather conditions and applications. It offers UL 94 V-0 flame resistance, FDA compliance for repeated use in contact with food, and its compact cell structure provides superior sealing performance.

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

Firm Grade Silicone Foam			
PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUES
Cellular Structure	--	--	Closed Cell
Firmness	--	--	Firm
Density	ASTM D1056	pcf (kg/m³)	31 (500)
Compression Deflection, 25%	ASTM D1056	psi (kPa)	16 (110)
Compression Set	ASTM D1056 22 hours, 100°C	%	< 1
Tensile Strength	ASTM D412	psi (kPa)	58 (400)
Elongation	ASTM D412	%	70
Water Absorption	--	%	3
Flammability	UL-94	--	V-0 and HF-1 rating
Low Temperature Flexibility	ASTM D1056	°F °C	-67 -55
Working Temperature Range	--	°F °C	-67 - +392 -55 - +200
Industry Standards			
FDA Regulation 21 CFR 177.2600 UL-94 V-0 and HBF HF-1	Rubber articles intended for repeated use ≥ 0.8mm thickness		