

PRODUCT DATA SHEET

Bellofoam™ 7829

Bellofoam™ 7829 medium density closed cell silicone sponge sheeting is a UL 94 Certified, lightweight, durable foam material with excellent flammability control, thermal conductivity, and smoke density. It's available in up to 2" thicknesses with no lamination. These sheets are skived to thickness, and available in 36" x 36" sheets or custom flat gasket shapes.

FEATURES & BENEFITS

- Highly versatile medium density closed cell silicone sponge
- Extremely lightweight, rindless material, with low closure force
- Resistant to UV, ozone, and extreme temperatures
- Rated to most stringent UL flame standards

VALUE ADDED OPTIONS

- Adhesive (PSA) 1 or 2 sides
- Flash Cut Finished Shapes

SPECIFICATION

- AMS3195

PROPERTY	TEST METHOD	TYPICAL VALUE	SPECIFICATION
PHYSICAL			
Color	Visual	Gray	---
Thickness, mm (inches)	Internal	5-50.8 (0.125 - 2.000)	---
Density, kg/m ³ (lb./ft ³)	Internal	352 (22)	300 - 473 (18.7 - 29.5)
Compression Force Deflection, kPa (psi)	ASTM D1056	67 (11)	41 - 97 (6 - 14)
Compression Set, %	ASTM D1056 100°C (212°F) / 22 hrs / 50%	6.4	< 60
Water Absorption, %	ASTM D1056	2.3	< 5
FLAMMABILITY			
Flame Resistance	UL 94 (File E189051)	Meets	V-0 (>9mm) V-1 (<6mm)
Flame Spread Index (Is)	ASTM E162	Meets	Flaming Mode < 35
Smoke Density (Ds)	ASTM E662	Meets	Flaming Mode, 1.5 min, < 100 Flaming Mode, 4.0 min, < 200
Burn Length	FMVSS 302	Meets	< 100 mm/min
THERMAL			
Temperature Range, °C (°F)	Internal	-55 to +200 (-67 to +392)	---
Thermal Conductivity, W/m °K	ASTM D7984	0.0948	---
Low Temperature Flex	ASTM D1056 -55°C (-67°F) / 5 hrs	Pass	---
Low Temperature Brittleness	ASTM D746 -55°C (-67°F) / 3 min	Pass	---
ELECTRIC			
Dielectric Strength, V/mil	ASTM D149	163	---
Breakdown Voltage, kV	ASTM D149	60.4	---