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BISCO® 7130 Soft Flame Resistance Silicone Sponge

BISCO® 7130 is a soft grade closed-cell silicone sponge material designed for flame resistant applications. It meets Specification BMS 1-60 Type 1, Grade A. It is available in sheets.

Features & Benefits, applicable to all BISCO® Cellular Materials (Foams):

- Temperature independency
- UV/Ozone resistant
- Rated to most stringent flame standards

PROPERTY	TEST METHOD	TYPICAL VALUE*
PHYSICAL		
Color	Visual	Gray
Thickness, mm (inches)	Internal	3.18 - 25.40 (0.125 - 1.00)
Density, kg/m ³ (lb./ft ³)	ASTM D1056	496 (31)
Compression Force Deflection, kPa (psi)	ASTM D1056 @ 25% Deflection	13 - 48 (2 - 7)
Compression Set, %	ASTM D1056 100°C (212°F) / 22 hrs	35
Water Absorption, %	ASTM D1056	< 5
Temperature Resistance, °C (°F)	Internal	-55 to +204 (-67 to +400)
Tensile Strength, MPa (psi)	ASTM D412	0.52 75
Elongation, %	ASTM D412	250

PROPERTY	TEST METHOD	TYPICAL VALUE*
FLAMMABILITY		
Flame Resistance	FMVSS302 UL94 HBF †	Pass

† Rating dependent on thickness



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Standard Thickness Tolerances

NOMINAL THICKNESS	TOLERANCE
mm (inches)	mm (inches)
3.18 (0.125)	±0.787 (±0.031)
4.76 (0.188)	±0.787 (±0.031)
6.35 (0.250)	-0.787 / +1.194 (-0.031 / +0.047)
7.95 (0.313)	-0.787 / +1.194 (-0.031 / +0.047)
9.53 (0.375)	±1.194 (±0.047)
12.70 (0.500)	±1.194 (±0.047)
15.88 (0.625)	±1.575 (±0.062)
19.05 (0.750)	±2.388 (±0.094)
22.23 (0.875)	±2.388 (±0.094)
25.40 (1.000)	±2.388 (±0.094)

Slit Material and Tape (PSA) Width Tolerances

NOMINAL WIDTH	TOLERANCE
mm (inches)	mm (inches)
914 (36)	+ 25.4/- 0 (+ 1/- 0)

SPECIFICATION

- BMS 1-60 Type 1, Grade A

Notes:

*Typical Value- Value is based on historical data. Please note the frequency of testing varies.
Additional industry specifications are available as well. All other properties are based on industry standard guidelines.