

## BISCO<sup>®</sup> 7130 Soft Flame Resistance Silicone Sponge

BISCO<sup>®</sup> 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/m³ (lb./ft³)	ASTM D1056	496 (31)	
Compression Force Deflection, kPa (psi)	ASTM D1056 @ 25% Deflection	13 - 48 (2 -7)	
Compression Set, %	ASTM D1056 100℃ (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	

<sup>‡</sup> Rating dependent on thickness



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## **Standard Thickness Tolerances**

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



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