

BISCO[®] 7330 Medium Flame Resistant Silicone Sponge

BISCO[®] 7330 is a medium grade closed-cell silicone sponge material designed for flame resistant applications.

It meets Specifications BMS 1-60 Type 1 Grade B, and DMS-1980 Grade 2, Medium.

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	1.59 - 25.40 (0.063 - 1.00)	
Density, kg/m³ (lb./ft³)	ASTM D1056	560 (35)	
Compression Force Deflection, kPa (psi)	ASTM D1056 @ 25% Deflection	48 - 96 (7 - 14)	
Compression Set, %	ASTM D1056 100°C (212°F) / 22 hrs	35	
Water Absorption, %	ASTM D1056	< 5	
Temperature Resistance, °C (°F)	Internal	-55 to +232 (-67 to +450)	
Tensile Strength, MPa (psi)	ASTM D412	> 0.69 > 100	
Elongation, %	ASTM D412	> 400	

PROPERTY	TEST METHOD	TYPICAL VALUE*	
FLAMMABILITY			
Flame Resistance	FMVSS302	Pass	



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Standard Thickness Tolerances

NOMINAL THICKNESS	TOLERANCE
mm (inches)	mm (inches)
1.59	-1.60 / +0.787
(0.063)	(-0.016 / +0.031)
2.38	-1.60 / +0.787
(0.094)	(-0.016 / +0.031)
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 B
- DMS-1980 Grade 2, Medium

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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