

BOEING BMS 1 – 23 Gasketing & Vibration Dampening Silicone Sponge Rubber



COHRLastic® R10470M Medium Density Silicone Sponge Rubber is closed cell and is designed for a variety of gasketing, cushioning, insulating and protecting applications, with a wide range of temperatures and environments.

It is designed for general gasketing, flame retardant cushions, solvent resistant gaskets and weather seals. Key benefits of COHRLastic® closed cell sponge include thermal stability over a wide temperature range, excellent compression set resistance, ozone and UV resistance.

The closed-cell COHRLastic® R10470M Silicone Sponge product is subjected to the most extreme post-cure cycle process in the industry in order to lower material out-gassing for cleaner operation in critical applications, and meet the NASA outgassing requirement of TML (<1%)

and CVCM (<0.1 %), as outgassing which causes contamination issues in electronics and safety concerns in the aerospace industry. It can be supplied with acrylic adhesive and die-cut to shape by the local distributor.

Strip-N-Stick® instant silicone gasket tapes SNS 100S (silicone adhesive) and SNS 200A (acrylic adhesive) are adhesive coated on COHRLastic® R10470M Silicone Sponge Rubber.

COHRLastic® R10470M Silicone Sponge rubber		
Properties	Value	Test Method
Colour	Red-Tan / Black ^{ttt} / Grey ^{ttt}	Visual
Compression Deflection, PSI (compressed 25% at room temperature)	10	ASTM D1056
Tensile Strength, PSI	90	ASTM D412
Elongation @ Break, %	150	ASTM D412
Compression Deflection, PSI (compressed 50% for 22 hours at 100°C)	25	ASTM D1056
Density g/cm ³	3.05	ASTM D 3574
Water Absorption,%	< 5	ASTM D1056
Dielectric Strength	145 volts / 0.0254 mm	Approximately
Thermal Conductivity	0.75 BTU in./hr.ft. ² /°F	Average
Specific Heat	0.3 BTU/lb/°F	-
Linear Thermal Expansion (room temperature to +350°F)	1.8 x 10 ⁴ in./in./°F	-
Outgassing after 24 hours at 125°C	< 1%	NASA Testing
Specifications: AMS 3195, BOEING BMS 1 – 23, MIL-R-46089, MIL-R-6130 Type II Grade B & C, UL1570, UL1571, UL1572		
Black ^{ttt} / Grey ^{ttt} Minimum Order Required		

Thickness (mm)	Tolerance (mm)	Size (mm)	Remark
0.79	±0.254	914 x 914 Sheet, 914 wide Roll	-
1.59	±0.397	914 x 914 Sheet, 914 wide Roll	-
2.38	±0.397	914 x 914 Sheet, 914 wide Roll	Minimum Order Required
3.18	±0.794	914 x 914 Sheet, 914 wide Roll	-
4.76	±0.794	914 x 914 Sheet, 914 wide Roll	-
6.35	+1.191 to -0.794	914 x 914 Sheet	-
9.53	±1.191	914 x 914 Sheet	-
12.7	±1.191	914 x 914 Sheet	-