

## Closed Cell Silicone Sponge (Red) Medium Density



Closed Cell Silicone Sponge is available in Soft, Medium and Firm densities. It is a high performance gasketing material designed for applications that require an excellent compression set resistance and a wide operating temperature range. The tight and uniform cell structure prevents water absorption per ASTM D1056 of less than 3%. The smooth surface finish improves the sealing capabilities by providing 100% surface to

surface contact and promotes better PSA adhesion. Closed Cell Silicone Sponge is formulated per AMS3195, AMS3196, ASTM D1056, MIL-R-6130 Type II, ASTM D6576 Type II, MIL-R-46089, UL94 HB, UL94 V-0 and FDA.

### Key Benefits of Silicone Sponge

- Wide operating temperature range of -100°F to 500°F (-73°C to 260°C)
- Weather sealing – the closed cell structure allows for good weather sealing with relatively low compressive forces. UL 50 and UL 50E grades are available
- Excellent compression set resistance especially at higher temperatures, compared to most rubber material

- UV and ozone resistance due in part to their inorganic backbone providing long term performance
- Silicone sponge is a good material choice for outdoor environments, from the Arctic to the desert.
- FDA approval – Required for food and pharmaceutical packing equipment and product handling

### Available in

- Custom gaskets
- Custom widths
- Continuous roll lengths
- Pressure sensitive adhesive backing
- Soft, Medium & Firm Densities

**Contact us** for a complete list of available Closed Cell Sponge materials.

Properties	Test Method	Specification: AMS3195	Typical Values
Color	Visual		Red
Finish	Visual		Smooth
Thickness	ASTM D751		.062" - 1"
Density, lbs/cubic in	ASTM D1056	.020 Max	.012
Density, lbs/cubic ft	ASTM D1056	35 Max	20
Compression Deflection @25% psi	ASTM D1056	6-14	7
Compression Set, % (50% 22hrs. @ 212°F)	ASTM D1056	60% Max	25
Brittle Point, °F	ASTM D746	-67	-103
Water Absorption	ASTM D1056	5% Max	<3
Temperature Range	°F		-103 to 450
Tensile Strength, psi	ASTM D412		125
Elongation, %	ASTM D412		200

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