

Closed Cell Silicone Sponge - Medium Density

Silicone Sponge is an excellent material for gasketing applications that require a medium compressible material. It is resistant to extreme temperatures and offers good compression set.

The surface has a fine fabric finish on both sides as standard.

PROPERTY	SPEC LIMITS	TEST METHOD
Colours	Red as standard - Also available in Black, White, Grey	
Density: thickness <6.35mm Density: thickness ≥6.35mm	498.2 Kg/m ³ (0.018 lb.ft ³) 553.6 Kg/m ³ (0.020 lb.ft ³)	ASTM D1056
Compression Deflection	90 kPa (±40) 13 psi (±5.8)	ASTM D1056
Compression Set 22hrs / 100°C / 50% Compressed	29%	ASTM D1056
Tensile Strength	690 kPa (100 psi)	ASTM D142 Die A
Elongation	200%	ASTM D142 Die A
Water Absorption	5%	ASTM D1056
Surface Finish	Standard: Fine Fabric / Non-Standard: Heavy Fabric	

Thicknesses*: 0.81mm - 1.6mm - 2.4mm - 3.2mm - 4.78mm - 6.4mm - 9.53mm - 12.70mm - 15.88mm - 19.05mm - 25.4mm

Roll Widths: 914mm and 1219mm

Features/Benefits:

- Excellent general purpose gasket
- Extreme high & low temperature resistance
- UV & ozone resistant

* Thickness over 12.70 mm (0.500 inches) is achieved through the lamination of multiple material layers.

** If material is laminated to thickness, the tolerances are for the individual layers and not the overall thickness of the laminate. Laminate thicknesses are nominal.

STANDARD THICKNESS	NOMINAL RANGE	TOLERANCES**	ROLL LENGTH
0.81mm	0 - 1.6mm	+0.041, -0.076mm	36.6m
1.6mm			18.3m
2.4mm	1.61 - 4.78mm	±0.76mm	18.3m
3.2mm			18.3m
4.78mm			9.1m
6.4mm	4.79 - 7.95mm	+1.27, -0.76mm	9.1m
9.53mm	7.96 - 12.70mm	±1.52mm	4.6m
12.7mm			4.6m
15.88mm	12.71 - 19.05mm	±2.29mm	4.6m
19.05mm			4.6m
25.4mm	>19.06mm	±3.05mm	4.6m

Dimensional Tolerances: are typically class 3 as standard, unless otherwise stated. Class 2 and Class 1 tolerances on request, in most instances.

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J-FLEX Innovative Rubber Solutions

Units 1 & 2, London Road Business Park, Retford, Nottinghamshire, DN22 6HG, United Kingdom

tel: +44 (0) 1777 712400 fax: +44 (0) 1777 712409 email: sales@j-flex.com web: www.j-flex.com

