

FDA Compliant Silicone Sponge Sheeting - High Elongation

A high quality closed cell silicone sponge material that is FDA compliant.

Formulated for the food, beverage and dairy sectors for common applications such as gaskets and seals on food processing machinery, as thermal insulation for pipes transporting liquids and for vibration dampening of machinery.

Features:

- Resistance to UV and Ozone
- Platinum cured
- Excellent resistance to weathering
- Temperature Range -60°C to 230°C
- Good thermal insulator
- Smooth skin
- White in colour
- Mainly closed cell structure and sealed outer skin, suitable for air/water sealing applications

Availability:

- Available in rolls 1m x 5m
- With or without Adhesive backing

Compliance:

- US FDA 21 CFR 177.2600
- EC 1935/2004
- BfR recommendation XV
- Flame Retardant - UL94HB



PROPERTY	UNITS	TEST METHOD
Density *	429Kg/m ³ (26lb/ft ³)	ISO 845 (ASTM D1056)
Compression Force Deflection 40%	90kPa / 13psi	ISO 3386
Compression Force Deflection 25%	55kPa / 8psi	ASTM D1056
Tensile Strength	0.9MPa / 131psi	ISO 1798 (ASTM D412)
Elongation To Failure	590%	ISO 1798 (ASTM D412)
Compression Set 50%, 24hrs recovery, 22hrs@70°C	3.5%	ISO 1856
Compression Set 50%, 24hrs recovery, 22hrs@100°C	4.0%	ISO 1856
Water Absorption	<5%	ASTM D1056

TEST	TYPICAL VALUE	STANDARD
Brittle Point	-80°C (112°F)	ASTM D746
Limiting Oxygen Index	24%	BS 2782 Part 1
Thermal Conductivity	0.100 W.m ⁻¹ K ⁻¹	BS 874 Part 2
Dielectric Strength	7.68kV/mm	ASTM D149

SIZE (mm)	TOLERANCE (mm)
1.5	+0.75/-0.5mm
2.0 to 5.0	+/- 0.75mm
6.0 to 8.0	+1.25/-0.75mm
10.0 to 12.0	+/- 1.5mm

* Measured on 25mm cord sample.

Disclaimer: All recommendations and information contained in this specification sheet are to the best of our knowledge correct. Since conditions of service are beyond our control, users must satisfy themselves that the products are suitable for intended use. No warranty is given or implied in respect of information or recommendations or that any use of products will infringe rights belonging to other parties. In any event or occurrence our liability is limited to the invoice value of our goods delivered to you. We reserve the right to change product design and properties without notice.

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