



CLOSED CELL SILICONE FOAM PAD

TECHNICAL SPECIFICATIONS

1. MATERIAL STRUCTURE



2. PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Density	ASTM D1056	0.20 – 0.40 g/cm ³
Hardness	ASTM D2240	10 – 40 Shore OO
Tensile Strength	ASTM D412	≥ 0.7 MPa
Elongation at Break	ASTM D412	≥ 150 %
Tear Strength	ASTM D624	≥ 2.0 kN/m
Compression Set (22h @ 200°C)	ASTM D395	≤ 25 %
Compression Set (22h @ 177°C)	ASTM D395	≤ 15 %
Flame Rating (Optional)	UL94	V-0

3. THICKNESS OPTIONS

Thickness	Tolerance
1 mm	±0.15 mm
2 mm	±0.15 mm
3 mm	±0.15 mm
5 mm	±0.20 mm
8 mm	±0.20 mm
10 mm	±0.25 mm
15 mm	±0.25 mm
20 mm	±0.30 mm
Custom	Available

4. DENSITY OPTIONS

Density (g/cm ³)	Tolerance
0.20	±0.03
0.25	±0.03
0.30	±0.03
0.35	±0.03
0.40	±0.03
Custom	Available

5. HARDNESS OPTIONS

Hardness (Shore OO)	Tolerance
10	±5
20	±5
30	±5
40	±5
Custom	Available

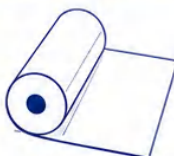
6. THERMAL PERFORMANCE



7. COMPRESSION SET (ASTM D395)

Test Temperature	Test Time	Max Compression Set
177°C	22 hours	≤ 15 %
200°C	22 hours	≤ 25 %

8. SHEET / ROLL DIMENSIONS



Standard Sheet Size:
• 500 x 500 mm
• 1000 x 1000 mm

Standard Roll Width:
1000 mm (Max)

Roll Length:
10 m / 20 m / 25 m
(Custom Available)

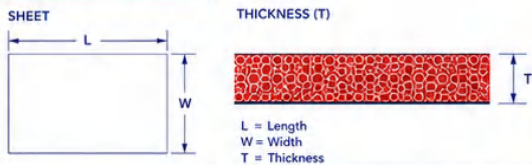
Other sizes available upon request.

9. DIE-CUT SHAPES (CUSTOM)

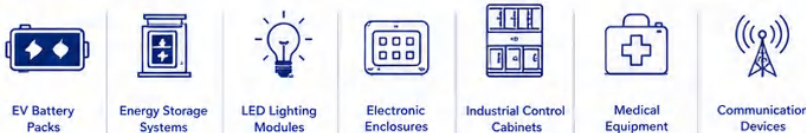


Precision die cutting available in various shapes and thicknesses.
Custom adhesive backing available.

10. DIMENSIONAL DRAWING



11. TYPICAL APPLICATIONS



12. GENERAL SPECIFICATIONS

Material	Closed Cell Silicone Foam	Operating Temperature	-60°C to +200°C (Continuous) Up to +230°C (Short-term)
Color	Red (Standard) / Black, Gray, White (Optional)	Flammability (Optional)	UL94 V-0
Surface	Smooth / Skin (Both Sides)	RoHS / REACH	Compliant
Cell Structure	Closed Cell	Customization	Thickness, density, hardness, size, shape, adhesive, color
Chemical Resistance	Excellent resistance to ozone, UV, moisture, weather and many chemicals		

NOTE:

The above technical data are typical values obtained from standard tests. Values should not be used for specification limits.
We reserve the right to change specifications without prior notice.