

Z-Foam®800-01EC Series foamed silicone is a foam material formed by the foaming of polysiloxane, retaining the excellent properties of silicone polymers, such as resistance to high and low temperatures, ultraviolet light, ozone, weatherability, insulation, and environmental friendliness, while also possessing the characteristics of foam materials, including low density, excellent sound absorption, and shock resistance. Its outstanding compressive deformation resistance, creep resistance, flame retardancy, and mechanical fatigue resistance make it an ideal material for various high-performance applications such as sealing, vibration damping, cushioning, sound insulation, protection, insulation, fireproofing, and noise absorption.

Features

- » Resistant to mechanical fatigue
- » Resistant to ozone and ultraviolet rays
- » High oxygen index, low smoke, low toxicity
- » Excellent performance under extreme temperatures
- » Excellent resistance to compression set and creep

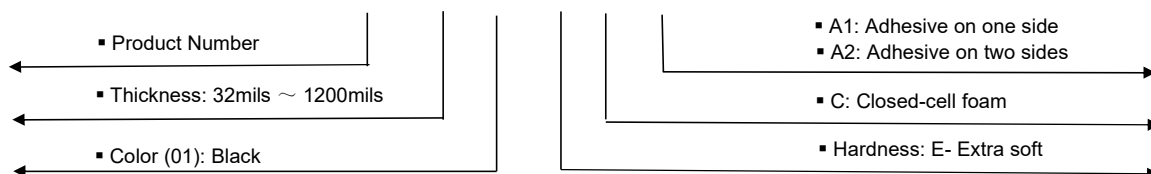


Application

- » Communication Equipment
- » Smart Devices
- » Cables and Optical Fibers
- » Airplanes, High-Speed Trains, Automobiles
- » Telecommunication and Electrical Cabinets

Z-Foam® 800-01EC Series		
Properties	Value	Test method
Color	Black	Visual
Structure & Components	Silicone rubber	-
Density (g/cm ³)	0.27	ASTM D1056
Compression Set @100℃(%)	<3.0	ASTM D1056
Tensile Strength (MPa)	≥0.3	ASTM D412
Elongation At Break (%)	≥90	ASTM D570
Water Absorption (%)	≤5.0	ASTM D412
Breakdown Voltage (kV/mm)	≥2.0	ASTM D149
Volume Resistivity (Ω·cm)	≥1.0×10 ¹⁵	ASTM D257
Temperature Range (°C)	-55~200	-
Flame Rating	V-0	UL94 (E331100)

Product Identifier → Z-Foam8 00 - 01 E C - A1



Standard Sheet Size : 23" x 60"(584mm x 1524mm)

Z-Foam® Series can be die-cut into different shapes provided. For More different thickness, please contact us.

Global solutions: Local support

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Z-Foam800-01EC-1025