

Z-foam™ 800-06EC Series is a low-stress silicone foaming silicone material with excellent compression resistance and permanent deformation properties. Compared with the traditional carbon foam material, the material has excellent properties of high and low temperature resistance (-60-200 °C), high flame retardant (V-0) and very low smoke concentration. In addition, the material has excellent resistance to aging and weather, making it an ideal material for shock absorption, cushioning, sound insulation, protection, insulation and fire protection.



Features

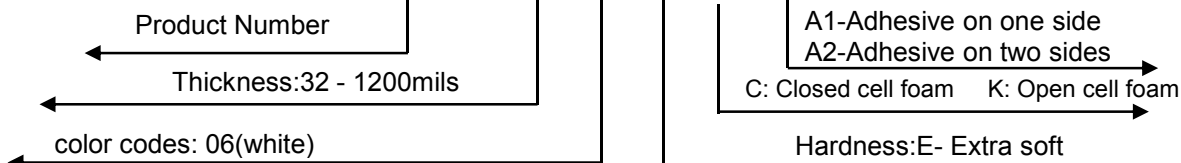
- » High and low temperature resistance - 60-200 ° C
- » Good cushioning and high compression
- » Resistance to ultraviolet light 、 ozone
- » Provides enhanced sealing performance
- » Compressed after using a good recovery

Application

- » Car Battery
- » Traffic Equipment
- » Communication & Electrical Equipment
- » Electronic products
- » Charging Pile

TEST PROCEDURE	UNITS	Technical index	Test Method
COLOR	*****	White	Visual
Density	g/cm ³	0.2±0.03	ASTM D1056
Compressive stress, 25%	kpa	20±3	ASTM D1056
Compression permanent deformation	%	≤3.0	ASTM D1056
			100°C@50%
Tensile strength	Mpa	≥0.3	GB/T 528-2009
Elongation	%	≥90	GB/T 528-2009
Bibulous rate	%	≤5.0	ASTM D570
Environmental testing	*****	Qualified	ROHS
Flame spread index	*****	Qualified	ASTM E162
Burning smoke concentration	*****	Qualified	ASTM E662-2015
Combustion of toxic gases	*****	Qualified	SMP 800-C-2009
Low temperature bending	*****	-55°C Qualified	ASTM D1056
Dielectric strength	KV/mm	≥2.0	GB/T 1695-2005
Volume resistivity	Ω.cm	≥1.0*10 ¹⁵	GB/T 1695-2005
Flame retardancy ratio	*****	V-0	E331100
Thermal conductivity	W/(m.k)	0.06	ASTM D5930

Product Identification: Z-Foam8 80 - 06 E C - A1



The maximum width size is 500 and the minimum thickness is 0.8mm and the maximum thickness is 30mm
Z-Foam™ series can be die-cut into different shapes For different thickness, please contact us

Gap Fillers | Phase Change Materials | Thermally Conductive Insulators | Thermally Conductive Greases | Thermally Conductive Adhesive

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