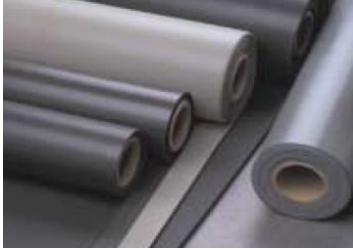


Z-foam™ 800-10SC Series is a medium stress silicone foam material with excellent compression set resistance. Compared with the traditional carbon foam material, the material has excellent properties of high and low temperature resistance (-60-200°C), high flame retardant (V-0) and very low smoke concentration. 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

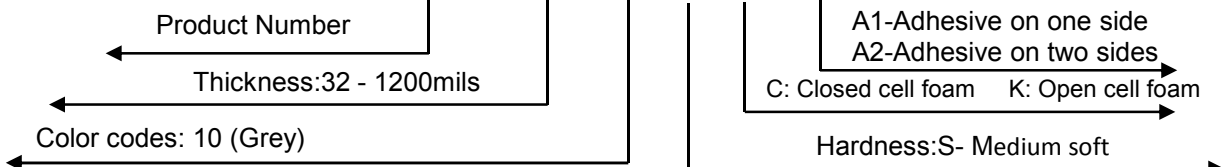
Application

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

| TEST PROCEDURE | UNITS | Technical index | Test Method |
|-----------------------------------|-------------------|-----------------------|----------------|
| COLOR | ***** | Grey | Visual |
| Density | g/cm ³ | 0.35±0.03 | ASTM D1056 |
| Compressive stress, 25% | kpa | 65±10 | ASTM D1056 |
| Compression permanent deformation | % | ≤5.0 | 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 | ≥3.0 | 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 - 10 S 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

| Canada: | Taiwan: | Dongguan: | Kunshan: | Chengdu: |
|-----------------------------|-------------------------------|--------------------------|---------------------------|-------------------------------|
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