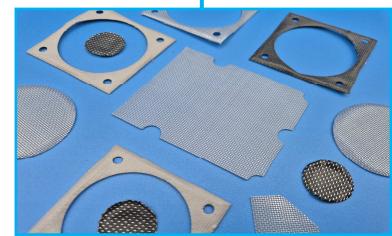


This Cem Gasket is IP 68. In composite, it consists of metal mesh combined with silicone, creating a highly conductive joint and a very good resilient for EMI/RFI and environmental shielding applications. It is relatively hard and at the same time elastic and provides an economic response to the tightness of flat surfaces, provided that the surface irregularities do not exceed 0.10 mm. A fluoro silicone version exists for use in presence of: fuels, oils, hydraulic leaks or other contaminants. Exposed metal points, where the wires intersect, create about 80 contacts per cm², with excellent contact is a very weak resistant. It also protects from EMP.



Technical characteristics

| Features | Units | Values | Remarks |
|------------------------------|-------------------|--|--|
| Material | | | |
| Base material | / | -Silicone Compact grade 50 Shore A -Fluorinated Silicone Compact grade 50 Shore A | -USA Specif. ZZ-R-765 Classe 2 -USA Specif. MIL-R-25988 |
| conductive filler | / | -Aluminum Wire / Diameter +/- 0.13 mm | -SAE AMS 4182 |
| Contacts | / cm ² | 80 | |
| Tape | / | Non | |
| Standards Sizes | | | |
| Thickness sheet woven canvas | mm | 0,5 | +/- 0,15 mm |
| Plates | mm | 300x300 | Max size |
| General Properties | | | |
| Color | / | Gray | Blue for the FluoroSilicone |
| shielding efficiency | dB | 65 dB à 200 kHz 90 dB à 100 MHz 75 dB à 1 GHz | +/- 5 dB |
| Compression | / | 50% | Maximum |
| Temperature Use | °C | -60 à + 200 (Silicone) -55 à + 200 (Fluoro Silicone) | |
| Standards Packages | / | Sheets or parts cut to plan | On request |
| Handling | / | To handle with gloves because cutting | |

The attenuation varies according to the compression especially in H-field and in plane wave.

General Tolerance

| Type | Tolerance |
|---------------------|-------------|
| Linear | +/- 0,9 mm |
| Center of the holes | +/- 0,5 mm |
| Thickness | +/- 0,15 mm |

Example:



The results were obtained under laboratory conditions and should be considered only as an indication. As AB2E has no control over its customers' equipment and many other factors, it is the user's responsibility to carry out its own tests to ensure that the product corresponds to its needs.