

Conductive Form-In-Place Gasket

F5521



Description

F5521 is Ag/Al filled, one component, moisture cured silicone material, F5521 gasket contains high mechanical strength and excellent adhesion, is suitable for metal or glass fabric filled plastic substrates.

And F5521 offers the high resistance of galvanic corrosion, and the stability in severe environments. It is ideal for the application that required high corrosion resistance on aluminum substrates.

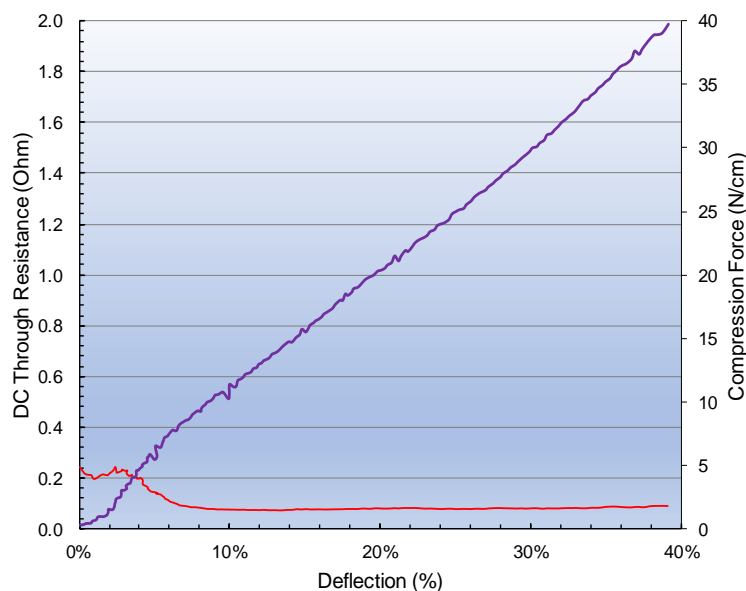
Benefits

- Excellent corrosion resistance on aluminum substrates
- More than 100 dB shielding effectiveness from 200 MHz to 40GHz with a small gasket bead
- Accuracy for gasket location within 0.001" (0.025 mm)
- More than 80 N/cm² shear adhesion on common housing substrates and coatings

Force-Deflection-Resistance of F5521 Gasket

D Shape 1.0 mm(H) * 1.3 mm(W) * 5.0 mm(L)
Rate of Strain, 1.5mm/min

— Resistance — Compression Force



| Properties | Unit | F5521 |
|--|-------------------|-----------|
| Elastomer Binder | | Silicone |
| Conductive Filler | | Ag/Al |
| Cure System | | Moisture |
| Density | g/cm ³ | 2.01 |
| Hardness | Shore A | 55 |
| Adhesion on Al metal | N/cm ² | >80 |
| Tensile Strength | psi | 130 |
| Elongation | % | 90% |
| Tear Strength | lbf/in | 18 |
| Compression Set @70°C, 72 hrs. | % | 30 |
| Working Temperature Range | °C | -45to 150 |
| Maximum Intermittent Using Temperature | °C | 200 |
| UL Flammability Rating | UL94 V-0 | E303387 |
| DC-Through Resistance @30% compression, 1mmH | Ohm | < 0.07 |
| Shielding Effectiveness 200 MHz ~ 40 GHz | dB | >100 |



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