

Dual-Functional Form-In-Place Gasket

F9304



Description

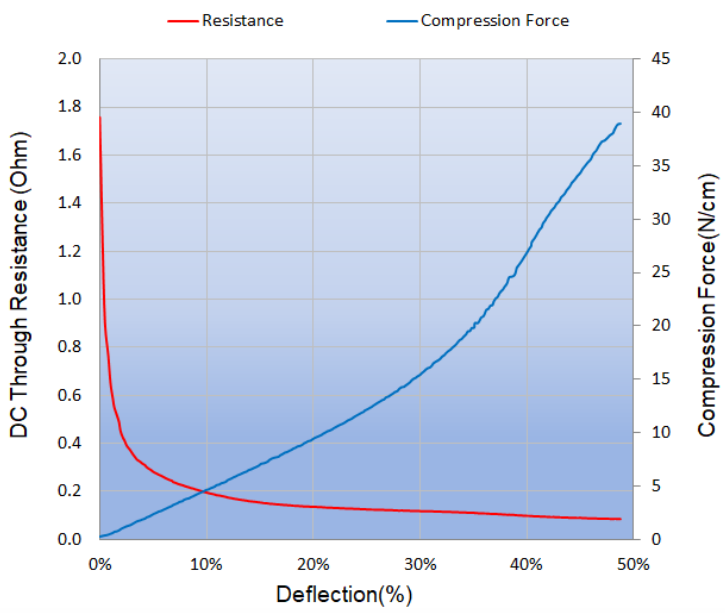
The dual-functional Form-In-Place material F9304 has very low DC resistance under small compression deflection. This will reduce mechanical requirements and is ideal for most application. The special formula system also provides perfect environmental sealing properties which can achieve IP68 rating.

The F9304 offers enhanced galvanic corrosion resistance and stability in severe environments.

Benefits

- Dual-function, excellent EMI shielding performance, with environmental sealing properties
- More than 100 dB shielding effectiveness from 200MHz to 10GHz 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 F9304 Gasket
1.00mm (H) X 1.30mm (W) X 5.00mm (L)



| Properties | Unit | F9304 |
|---|-------------------|------------|
| Elastomer Binder | | Silicone |
| Conductive Filler | | Ni/Gr |
| Cure System | | Thermal |
| Specific Gravity | g/cm ³ | 2.02 |
| Hardness | Shore A | 35 |
| Adhesion on Al metal | N/cm ² | >80 |
| Tensile Strength | psi | 210 |
| Elongation | % | 120 |
| Tear Strength | lbf/in | 38 |
| Compression Set @ 70°C, 72hrs | % | 15 |
| Working Temperature Range | °C | -45 to 150 |
| Maximum Using Temperature | °C | 200 |
| UL Flammability Rating | UL94 V-0 | E303387 |
| DC Resistance at 30% compression, 1mmH | Ohm | 0.06 |
| Shielding Effectiveness 200MHz – 10 GHz | dB | >100 |



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