

Dual-Functional Form-In-Place Gasket

F9304



Description

The dual-functional Form-In-Place material F9304 with ultra-softness has great compression and excellent conductivity. 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.

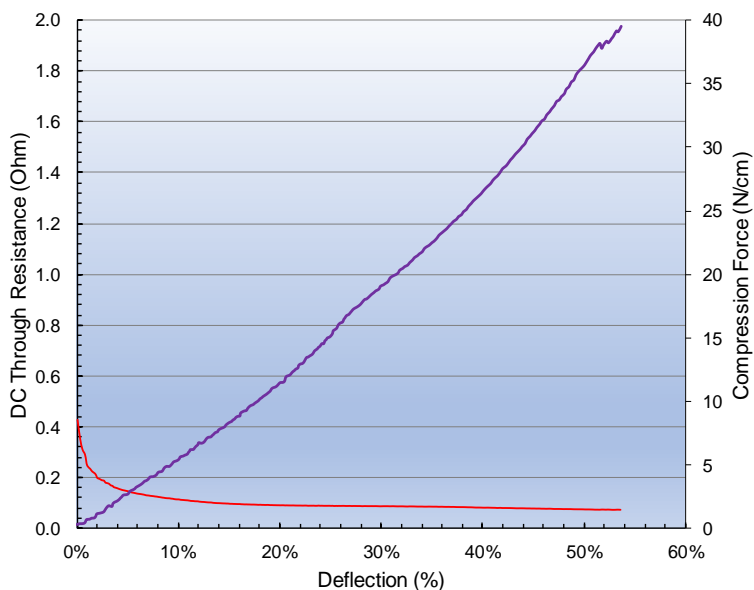
Benefits

- Dual-function, excellent EMI shielding performance, with environmental sealing properties
- More than 100 dB shielding effectiveness from 200MHz 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 F9304 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	F9304
Elastomer Binder		Silicone
Conductive Filler		Ni/Gr
Cure System		Thermal
Density	g/cm ³	2.27
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-Through Resistance @30% compression, 1mmH	Ohm	0.06
Shielding Effectiveness 200MHz – 40 GHz	dB	>100



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