

Conductive Form-In-Place Gasket

F5314



Description

The ultrasoft conductive Form-In-Place gasket material F5314 has great compression and excellent conductivity. This will reduce mechanical requirements and is ideal for most of applications.

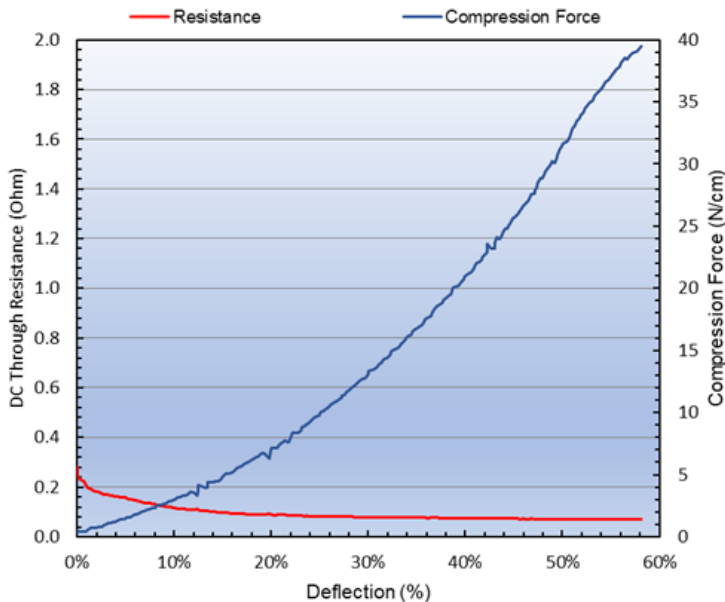
The F5314 offers enhanced galvanic corrosion resistance and stability in severe environments.

Benefits

- Extremely soft gasket in Ni/Gr filled family, designed for application needs low compression force
- More than 100 dB shielding effectiveness from 200MHz to 40GHz with a small gasket bead
- Accuracy for gasket location within 0.001" (0.025mm)
- More than 80 N/cm² shear adhesion on common housing substrates and coatings

Force-Deflection-Resistance of F5314 Gasket

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



Properties	Unit	F5314
Elastomer Binder		Silicone
Conductive Filler		Ni/Gr
Cure System		Thermal
Density	g/cm ³	2.32
Hardness	Shore A	35
Adhesion on Al metal	N/cm ²	>80
Tensile Strength	psi	120
Elongation	%	100
Tear Strength	lbf/in	30
Compression Set @ 70°C, 72hrs.	%	25
Working Temperature Range	°C	-45 to 150
Maximum Using Temperature	°C	200
UL Flammability Rating	UL94 V-0	E303387
DC-Through Resistance at 30% compression, 1.0mmH	Ohm	0.10
Shielding Effectiveness 200MHz – 40 GHz	dB	>100



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