

## Conductive Form-In-Place Gasket

## F5321



### Description

F5321 is a room temperature curable version of F5301, which has high mechanical strength, excellent adhesion and is ideal for a small gasket profile requirement.

This material is suitable for metal or glass fabric filled plastic substrates.

The F5321 offers enhanced galvanic corrosion resistance and stability in severe environments.

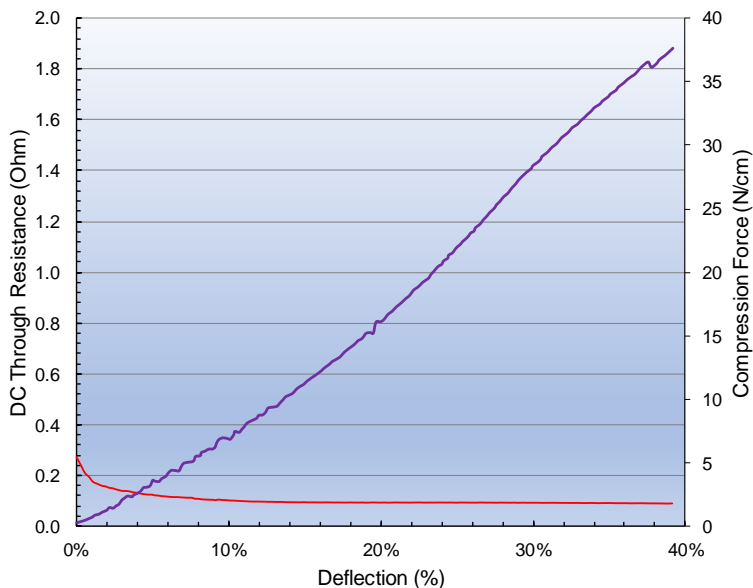
### Benefits

- Extremely small gasket profile in Ni/Gr filled FIP line
- 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 80Newtons/cm<sup>2</sup> shear adhesion on common housing substrates and coatings

### Force-Deflection-Resistance of F5321 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	F5321
Elastomer Binder		Silicone
Conductive Filler		Ni/Gr
Cure System		Moisture
Density	g/cm <sup>3</sup>	2.0
Hardness	Shore A	70
Adhesion on Al metal	N/cm <sup>2</sup>	>80
Tensile Strength	psi	150
Elongation	%	100
Tear Strength	lbf/in	40
Compression Set @70°C,72 hrs.	%	25
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	0.09
Shielding Effectiveness 200 MHz ~ 40 GHz	dB	>100



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