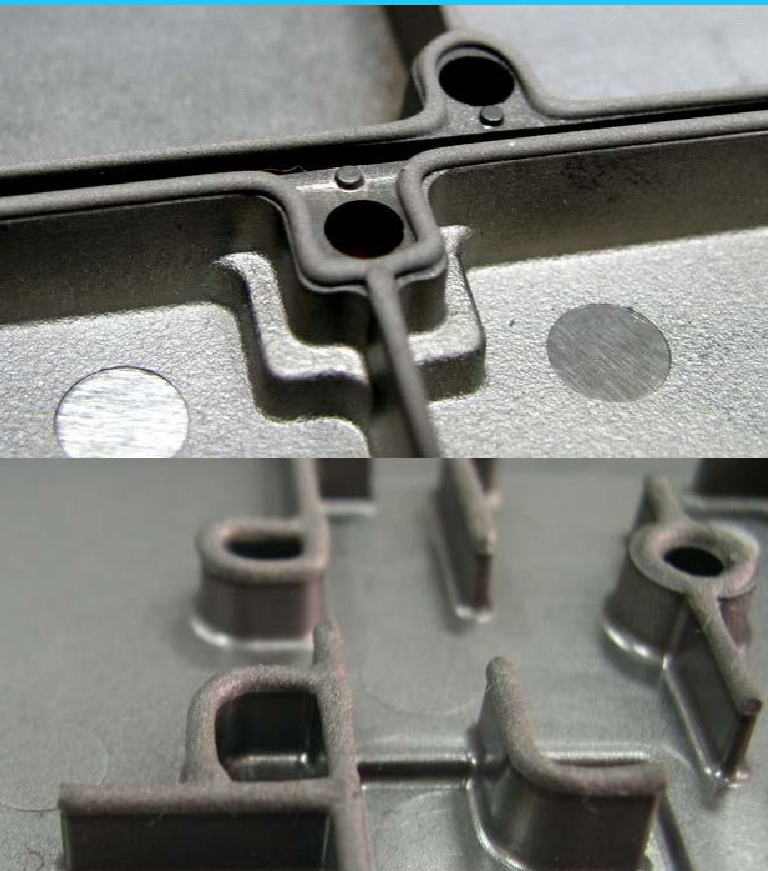


## Conductive Form-In-Place Gasket

## F5301



### Description

The conductive Form-In-Place material F5301 contains high mechanical strength, excellent adhesion and is ideal for a small gasket profile requirement.

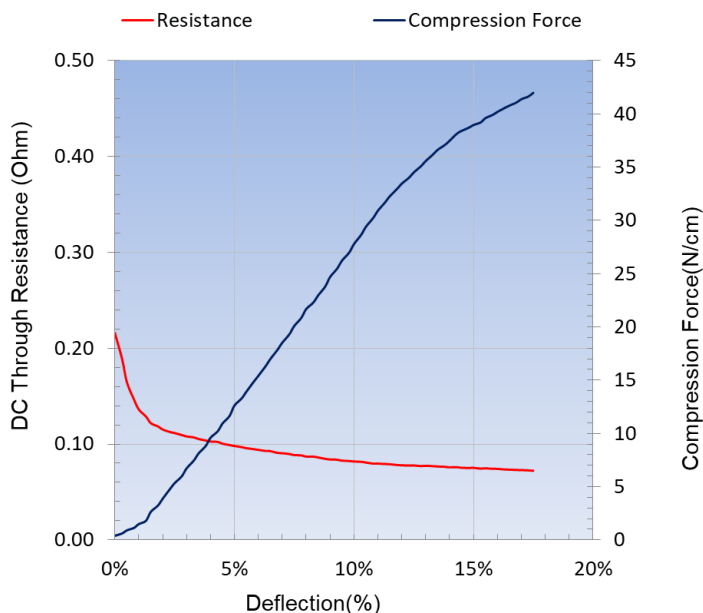
This material is suitable for metal or glass fabric filled plastic substrates.

The F5301 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 200 MHz to 10GHz with a small gasket bead
- Accuracy for gasket location within 0.001" (0.025 mm)
- More than 100 Newtons/cm<sup>2</sup> shear adhesion on common housing substrates and coatings

Force-Deflection-Resistance Curve of F5301 Gasket  
1.00mm (H) X 1.35mm (W) X 5.00mm (L)



Properties	Unit	F5301
Elastomer Binder		Silicone
Conductive Filler		Ni/Gr
Cure System		Thermal
Specific Gravity	g/cm <sup>3</sup>	2.0
Hardness	Shore A	75
Adhesion on Al metal	N/cm <sup>2</sup>	>100
Tensile Strength	psi	150
Elongation	%	80
Tear Strength	lb/in	40
Compression Set	%	30
Temperature Range	°C	-45 to 150
Maximum Using Temperature	°C	200
UL Flammability Rating	UL94 V-0	E303387
Gasket Resistivity 30% compression, 1mmH	Ohm	0.05
Shielding Effectiveness – 1 GHz – 10 GHz	dB	>100



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