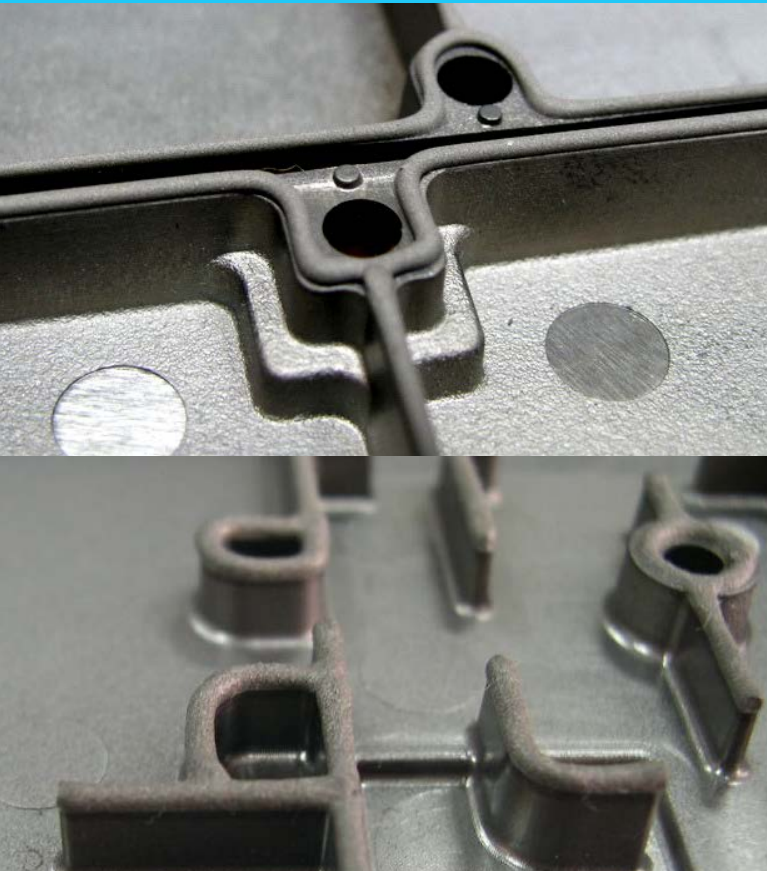


Conductive Form-In-Place Gasket

F5322



Description

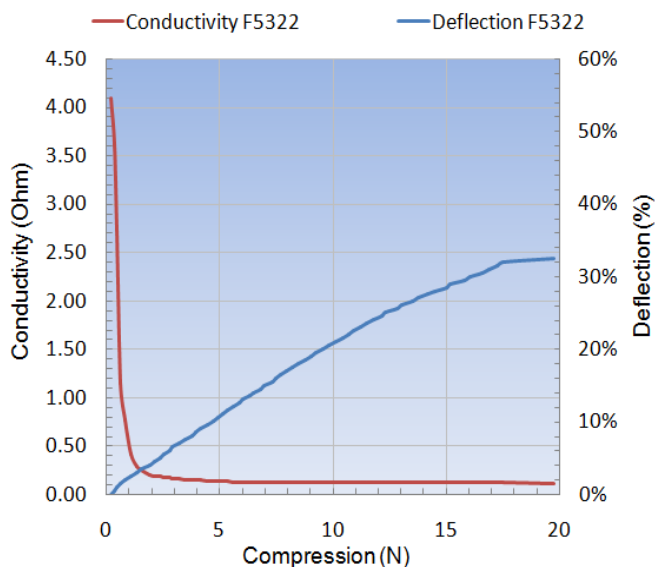
F5322 is a room temperature curable Ni/Graphite filled FIP silicone gasket, which has high mechanical strength, excellent adhesion, extremely high conductivity, this material provides superior shielding effectiveness at a soft compression level.

This material is suitable for metal or glass fabric filled plastic substrates. The F5322 is compatible with various substrates containing enhanced galvanic corrosion resistance and stability in severe environments.

Benefits

- Extremely high conductivity in Ni/Graphite filled FIP line
- A highly compressible soft gasket designed for low compression force application
- More than 100 dB shielding effectiveness from 200MHz to 10GHz with a small gasket bead
- More than 80 Newtons/cm² shear adhesion on common housing substrates and coatings

FDR test for FIP material against force
1mm (H) X 1.15mm (W) X 5.00mm (L)



Properties	Unit	F5322
Elastomer Binder		Silicone
Conductive Filler		Ni/Gr
Color		Dark Grey
Specific Gravity	g/cm ³	1.8
Hardness	Shore A	50
Adhesion on Al metal	N/cm ²	>80
Tensile Strength	psi	150
Elongation	%	150
Tear Strength	lbf/in	30
Compression Set	%	25
Temperature Range	°C	-45 to 150
Maximum Using Temperature	°C	200
UL Flammability Rating	UL94 V-0	E303387
Gasket Resistivity 30% compression, 1mmH	Ohm	0.12
Shielding Effectiveness – 1 GHz – 10 GHz	dB	>100



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DATA MAX-SHIELD F5322 TDS 2014 REV.A