

## Conductive Silicone Sheet S3301



### Description

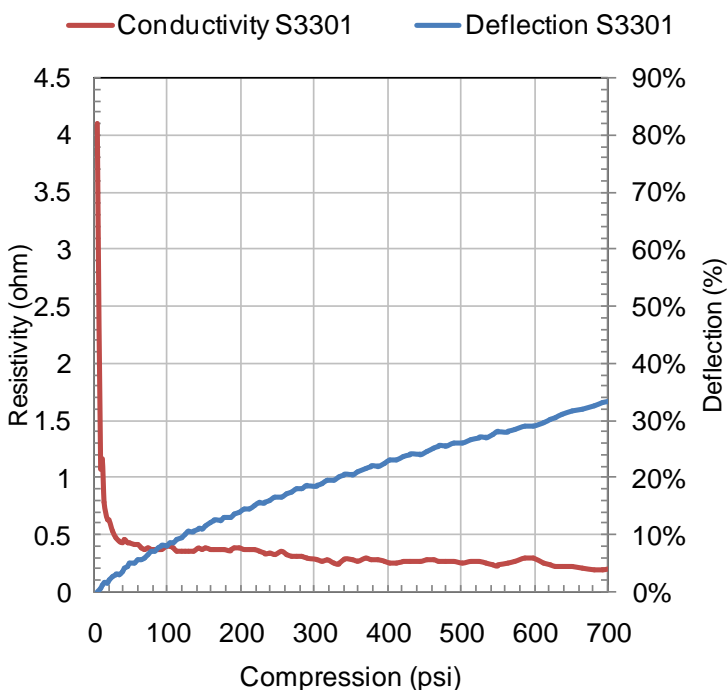
The S3301 material is sheet formed conductive silicone elastomer filled with Nickel plated Graphite particles. It is designed to replace expensive silver plated particles at a fraction of the cost while maintaining shielding effectiveness.

The S3301 is compatible with various substrates containing enhanced galvanic corrosion resistance and stability in severe environments. The single side conductive pressure sensitive adhesion is available for easier installation.

### Benefits

- High EMI shielding effectiveness
- Soft and highly compressible
- Provides good electrical stability without bleeding or migration
- Greater than 100 dB shielding effectiveness from 200 MHz to 10 GHz with a small gasket bead
- Single side and double side conductive PSA available

FDR test for S3301 against Pressure



Properties	Unit of Measure	S3301
Elastomer Binder	-	Silicone
Conductive Filler	-	Ni/Gr
Color	-	Dark Grey
<b>Physical Properties</b>		
Specific Gravity	g/cm <sup>3</sup>	2.0
Hardness	Shore A	60
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
<b>Electrical Properties</b>		
Gasket Resistivity 30% compression 1mmT	Ohm	0.23
Shielding Effectiveness – 1 GHz – 10 GHz	dB	>100

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