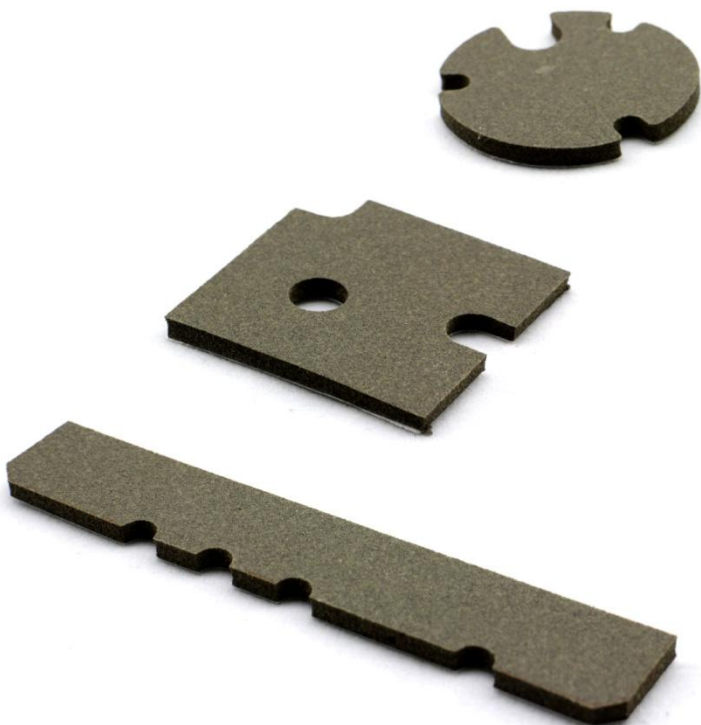


Conductive Silicone Rubber Sheet

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 40 GHz
- Single side and double side conductive PSA available
- Standard thickness: 0.30, 0.50, 0.75, 1.0mm etc.

| Properties | Unit of Measure | S3301 |
|--|-------------------|-----------------|
| Elastomer Binder | - | Silicone |
| Conductive Filler | - | Nickel/Graphite |
| Color | - | Dark Grey |
| Physical Properties | | |
| Specific Gravity | g/cm ³ | 2.0 |
| Hardness | Shore A | 60 |
| Tensile Strength | psi | 150 |
| Elongation | % | 80 |
| Tear Strength | lb/in | 40 |
| Compression Set (72 hrs @70°C, 25% compressed) | % | 30 |
| Temperature Range | °C | -45 to 150 |
| Maximum Using Temperature | °C | 200 |
| Electrical Properties | | |
| Volume Resistivity | Ohm-cm | <0.5 |
| Shielding Effectiveness 200MHz – 40 GHz | dB | >100 |

Shelf Life: 2 years DOM(Date of Manufacture), and the shelf life of additional conductive PSA (one side or two sides) is 1 year DOM.

Recommended storage conditions are 0-35 °C at relative humidity of 50% maximum, store in the original product packaging until ready for use.



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