

Performance

- 80-110 dB shielding effectiveness
- Similar to LT conductive elastomer formulations

Materials

- One-part, silicone-based adhesive
- Five, conductive filler options
- Cures at room temperature

Availability

- Available in 4 different sizes: 2.5, 4, 10, and 16-ounce cartridges



Electrically Conductive Adhesives

Leader Tech is a globally recognized manufacturer and innovator of EMI shielding products. To complement the company's extensive line of conductive elastomer gaskets, Leader Tech now offers an assortment of Electrically Conductive Adhesives (ECAs). To help minimize galvanic reactions between dissimilar metals, these one-part, silicone-based adhesives are available with five conductive filler options, including: silver plated glass, silver plated copper, silver plated aluminum, nickel plated graphite, or pure silver.

Leader Tech conductive adhesives provide high adhesion strength and excellent electrical conductivity for broad ranging consumer and commercial electronics applications. In addition to its most common use in attaching conductive elastomer gaskets to a mounting surface, these adhesives can be used to cold solder components that are sensitive to heat such as LEDs, LCDs and touch panels. These extremely versatile adhesives also provide a fast and easy way to create an electrical ground between components or fill unwanted gaps that are susceptible to EMI leakage.

| Specifications | | | | | | |
|--------------------|---------|--------------|---------------|-----------------|-----------------|-------------|
| Compound | Units | Silver Glass | Silver Copper | Silver Aluminum | Nickel Graphite | Pure Silver |
| Specific Gravity | - | 2.10 | 3.20 | 1.86 | 3.40 | 3.58 |
| Skin Over Time | Minutes | 15 | 15 | 15 | 15 | 15 |
| Tack Free Time | Minutes | 90 | 90 | 90 | 90 | 90 |
| Color | - | Tan | Tan | Tan | Grey | Tan |
| Durometer | Shore A | 65 | 70 | 65 | 65 | 70 |
| Volume Resistivity | Ohm-cm | 0.008 | 0.010 | 0.040 | 0.050 | 0.010 |
| Lap Shear | PSI | 125 | 150 | 175 | 130 | 150 |
| Shelf Life | Months | 6 | 6 | 6 | 6 | 6 |

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Availability

Available in 4 different sizes:

- 2.5 ounce tubes
- 4 ounce cartridges
- 10 ounce cartridges
- 16-ounce cartridges



| Material | Leader Tech | UOM |
|--------------------------|--------------|-----|
| Silver Glass Silicone | SILAGGL-02.5 | ea |
| | SILAGGL-04.0 | ea |
| | SILAGGL-10.0 | ea |
| | SILAGGL-16.0 | ea |
| Silver Copper Silicone | SILAGCU-02.5 | ea |
| | SILAGCU-04.0 | ea |
| | SILAGCU-10.0 | ea |
| | SILAGCU-16.0 | ea |
| Silver Aluminum Silicone | SILAGAL-02.5 | ea |
| | SILAGAL-04.0 | ea |
| | SILAGAL-10.0 | ea |
| | SILAGAL-16.0 | ea |
| Nickel Graphite Silicone | SILNIGR-02.5 | ea |
| | SILNIGR-04.0 | ea |
| | SILNIGR-10.0 | ea |
| | SILNIGR-16.0 | ea |
| Pure Silver Silicone | SILNIGR-02.5 | ea |
| | SILNIGR-04.0 | ea |
| | SILNIGR-10.0 | ea |
| | SILNIGR-16.0 | ea |

| Compound | Part Number |
|-----------------|--------------|
| Silver Glass | SILAGGL-XX.X |
| Silver Copper | SILAGCU-XX.X |
| Silver Aluminum | SILAGAL-XX.X |
| Nickel Graphite | SILNIGR-XX.X |
| Pure Silver | SILAG-XX.X |

| Container Size | Part Number |
|--------------------|--------------|
| 2.5 oz. tube | XXXXXXX-02.5 |
| 4.0 oz. cartridge | XXXXXXX-04.0 |
| 10.0 oz. cartridge | XXXXXXX-10.0 |
| 16.0 oz. cartridge | XXXXXXX-16.0 |