

SILVER NICKEL SILICONE

Nolato Jabar Series 804

DESCRIPTION

Nolato Jabar Series 804 materials are a unique blend of silicone elastomers and stabilized silver plated nickel particles, forming a highly flexible yet highly conductive matrix. The superior conductivity, light weight, and galvanic compatibility, lends itself perfectly to fulfill most aerospace, military, and commercial applications requiring high shielding performance, while providing a durable environmental seal.

APPLICATIONS

Every batch of Nolato Jabar Series 804 is evaluated in our DLA approved Lab for compliance to Mil-DTL-83528 Type L.

Nolato Jabar produces the above materials in extruded, molded sheet, die cut, and custom molded forms. Certain applications require the addition of supporting fabrics, or mesh reinforcements to withstand abusive applications. These alternatives are also available. Please contact your Nolato Jabar representative.

TECHNICAL PROPERTIES

| Inspection Criteria | UM | Performance Level |
|----------------------------------|----------|-------------------|
| Operating Temperature | | |
| Max | °C | + 125° |
| Min | °C | - 55° |
| Specific Gravity | + - 13 % | 4.0 |
| Hardness; Shore A | + - 7 | 75 |
| Tensile Strength (un-reinforced) | #/in min | 200 |
| Elongation % (un-reinforced) | % | 100 / 300 |
| Compression Set | 32% max | 32% |
| Tear Strength (un-reinforced) | #/in min | 30 |
| Volume Resistivity | Ohm-cm | 0.005 |
| Shielding Effectiveness | | |
| 100 MHz | dB Min | 120 dB |
| 500 MHz | | 120 db |
| 2 GHz | | 120 db |
| 10 GHz | | 110 db |
| Compression Deflection | 3.5% min | 3.5% |