

**SILVER PLATED ALUMINUM FILLED SILICONE**

Nolato Jabar Series 805

**DESCRIPTION**

Nolato Jabar Series 805 materials are a unique blend of silicone elastomers and stabilized silver plated aluminum 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 805 is evaluated in our DLA approved Lab for compliance to Mil-DTL-83528 Type B.

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	+ 160°
Min	°C	- 55°
Specific Gravity	+ - 13 %	2.0
Hardness; Shore A	+ - 7	65
Tensile Strength (un-reinforced) #/in <sup>2</sup> min	200 #/in <sup>2</sup>	
Elongation % (un-reinforced)	%	100 / 300
Compression Set	32% max	12%
Tear Strength (un-reinforced)	#/in min	35
Volume Resistivity	Ohm-cm	0.008
Shielding Effectiveness		
10 MHz – 10 GHz	dB Min	100 dB
Thermal Conductivity		3.2 W/m-K
Color		Dark Blue
Compression Deflection	3.5% min	17.5%
Low Temp Flex	Pass	
Vibration		Pass
EMP		Pass