

**SILVER COPPER FILLED SILICONE**

Nolato Jabar Series 806-K / Compound 5517851

**DESCRIPTION**

Nolato Jabar Series 806 materials are a unique blend of silicone elastomers and conductive, silver plated copper particles, forming a highly flexible yet highly conductive matrix. The high conductivity, lends itself perfectly to aerospace, military, and commercial applications requiring EMI-Environmental sealing elastomers where galvanic compatibility is not an issue.

**APPLICATIONS**

Nolato Jabar can produce 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	- 45°
Specific Gravity +/- 13 %	3.8	
Hardness; Shore A	+/- 7	85
Tensile Strength	#/in2 min	400 #/in2
Elongation %	100-300	
Compression Set	% max	35.0
Volume Resistivity	Ohm-cm	0.005
Shielding Effectiveness		
200 kHz	dB Min	121
400 kHz	dB Min	138
600 kHz	dB Min	139
800 kHz	dB Min	148
100 MHz	dB Min	144
200 MHz	dB Min	143
400 MHz	dB Min	147
600 MHz	dB Min	139
800 MHz	dB Min	144
1 GHz	dB Min	142
2 GHz	dB Min	124
4 GHz	dB Min	120
6 GHz	dB Min	120
8 GHz	dB Min	119
10 GHz	dB Min	120
Color		Tan