

## SILVER COPPER FILLED SILICONE

Nolato Jabar Series 806 / Compound 5517651

### 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.

Color is tan

### 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	- 65°
Specific Gravity	+ - 13 %	3.75
Hardness; Shore A	+ - 7	65
Tensile Strength	#/in2 min	200 #/in2
Elongation %	100-300	
Compression Set	% max	30.0
Volume Resistivity	Ohm-cm	0.004
Shielding Effectiveness		
Thermal Conductivity		4.2 W/m-K
200 kHz	dB Min	113
400 kHz	dB Min	117
600 kHz	dB Min	115
800 kHz	dB Min	122
100 MHz	dB Min	117
200 MHz	dB Min	120
400 MHz	dB Min	126
600 MHz	dB Min	123
800 MHz	dB Min	124
1 GHz	dB Min	124
2 GHz	dB Min	127
4 GHz	dB Min	120
6 GHz	dB Min	123
8 GHz	dB Min	126
10 GHz	dB Min	119