

SILVER PLATED ALUMINUM FILLED FLUOROSILICONE

Nolato Jabar Series 815

DESCRIPTION

Nolato Jabar Series 815 materials are a unique blend of fluorosilicone 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, high fluid and chemical resistance, while providing a durable environmental seal.

APPLICATIONS

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

Every Batch of Nolato Jabar Series 815 is evaluated in our DLA approved lab for compliance to Mil-DTL-83528 Type D.

Inspection Criteria	UM	Performance Level
Operating Temperature		
Max	°C	+ 160°
Min	°C	- 55°
Specific Gravity	+ - 13 %	2.0
Hardness; Shore A	+ - 7	70
Tensile Strength (un-reinforced) #/in ² min	180 #/in ²	
Elongation % (un-reinforced)	%	60/260
Compression Set	% max	30.0
Tear Strength (un-reinforced)	#/in min	35
Volume Resistivity	Ohm-cm	0.012
Shielding Effectiveness		
10 MHz – 10 GHz	dB Min	100 dB
Color		Dark Blue