

## NICKEL PLATED GRAPHITE FILLED FLUOROSILICONE

Nolato Jabar Series 812

### DESCRIPTION

Nolato Jabar Series 812 materials are a unique blend of fluorosilicone elastomers and nickel plated graphite particles, forming a highly flexible yet highly conductive matrix. The conductivity, light weight, and galvanic compatibility, lends itself perfectly to fulfill aerospace, military, and commercial applications requiring high shielding performance, while providing a durable environmental seal and a lower cost alternative.

### TECHNICAL PROPERTIES

Inspection Criteria	UM	Performance Level
Operating Temperature		
Max	°C	+ 150°
Min	°C	- 55°
Specific Gravity	+ - 13 %	1.95
Hardness; Shore A	+ - 7	65
Tensile Strength (un-reinforced) #/in2 min		150 min.
Elongation % (un-reinforced)	%	100 min.
Compression Set	% max	25 max.
Tear Strength (un-reinforced)	#/in min	35 min.
Volume Resistivity	Ohm-cm	0.1 max.
Shielding Effectiveness		
100 MHz		100
500 MHz		100
2 GHz		100
10 GHz		100