

## 65 DURO SILVER GLASS FILLED SILICONE

Nolato Jabar Series 803-65

### DESCRIPTION

Nolato Jabar 65 Duro Silver Glass materials are a unique blend of silicone elastomers and conductive, silver plated particles, forming a highly flexible yet highly conductive matrix. The high conductivity, and light weight, lends itself perfectly to aerospace, military, and commercial applications requiring lower durometer sealing elastomers.

### 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.

### TECHNICAL PROPERTIES

Inspection Criteria	UM	Test Method	Performance Level
Operating Temperature			
Max	°C		+160°
Min	°C		-55°
Specific Gravity	+/- 13%	ASTM D792	1.9
Hardness; Shore A	+/- 7	ASTM D2240 method B	65
Compression Deflection	% min	ASTM D412 Die C	3.5%
Tensile Strength (un-reinforced)	#/in2 min	ASTM D412 Die C	200 #/in2
Elongation % (un-reinforced)	%	ASTM D412 Die C	100 / 300
Compression Set	% max	ASTM D395	30.0
Tear Strength (un-reinforced)	#/in min	ASTM D624 Die C	30
Volume Resistivity	Ohm-cm	ASTM D991 mod	0.006
Shielding Effectiveness		Mil-STD-285	
10 MHz	dB Min	100 dB	
100 MHz	dB Min	100 dB	
500 MHz	dB Min	100 dB	
2 GHz	dB Min	100 dB	
10 GHz	dB Min	100 dB	
Low Temp Flex	TR 10 / TR 70°C	Mil-DTL-83528	- 55°C / -55°C
Color			Natural Tan