

# SAS SEALTRON® 1027FR

## Features and Benefits

Moderate Electrical Conductivity  
 Excellent Mechanicals  
 Good Galvanic Compatibility

SAS SEALTRON® 1027FR is an excellent conductive elastomer choice in situations requiring shielding effectiveness, environmental sealing, reliability

SAS SEALTRON® 1027FR is a combination of Nickel Coated Graphite and Silicone, combined to create a conductive matrix.

SAS SEALTRON® 1027FR is available in many different variations including:

- Molded Parts
- Die Cut/Water Jet Cut Parts
- Extrusions
- Sheets
- Co-Molded Parts
- Co-Extrusions

### Nickel Graphite filled Silicone

Elastomer		Silicone
Particle		Nickel Coated Graphite
Operating Temperature (°C)	Max	175
	Min	-55
Specific Gravity (+/- 13%)		1.9
Hardness Shore A (+/- 7)		70
Compression Set (70 hrs at 100°C, % Max)		35
Tensile Strength (psi, Min)		325
Tear Strength (lb/in., Min)		40
Elongation %	Min	240
	Max	0
Volume Resistivity (ohm-cm, Max)		0.1
Shielding Effectiveness (minimum)	200 KHz (H Field)	NOT TESTED
	20 MHz (E Field)	90
	100 MHz (E Field)	100
	500 MHz (E Field)	100
	1 GHz (Plane Wave)	100
	10 GHz (Plane Wave)	100
	40 GHz (Plane Wave)	NOT TESTED

SAS Industries, Inc. REACH / RoHS Compliance : SAS does not use or store any metallic mercury, mercury compounds or mercury containing products at our facility and that all products listed herein are RoHS Compliant 2011/65/EU. SAS also certifies that all of our products do not contain any of the REACH Substances of Very High Concern (SVHC) as published by ECHA (European Chemical Agency).

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