

SAS SEALTRON® 1023

Features and Benefits

Moderate Electrical Conductivity
 Good Compressibility
 Good Galvanic Compatibility

SAS SEALTRON® 1023 is an excellent conductive elastomer choice in situations requiring shielding effectiveness, environmental sealing, reliability

SAS SEALTRON® 1023 is a combination of Nickel Coated Graphite and Silicone, combined to create a conductive matrix.

SAS SEALTRON® 1023 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	200
	Min	-55
Specific Gravity (+/- 13%) *		1.80
Hardness Shore A (+/- 7) *		30
Compression Set (70 hrs at 100°C, % Max) *		40
Tensile Strength (psi, Min) *		75
Tear Strength (lb/in., Min) *		30
Elongation % *	Min	100
	Max	-
Volume Resistivity (ohm-cm, Avg) *		2
Shielding Effectiveness (dB minimum)	200 KHz (H Field)	NOT TESTED
	20 MHz (E Field)	90
	100 MHz (E Field)	90
	500 MHz (E Field)	90
	1 GHz (Plane Wave)	90
	10 GHz (Plane Wave)	90
	40 GHz (Plane Wave)	NOT TESTED

Note : Values indicated above with " * " are established from actual tests performed on ASTM Test Slabs in a Laboratory environment, using calibrated measuring instruments. Batch Tests are performed on all Lots, confirming compliance to these standards. These values may not be indicative of those achieved when testing product supplied to customers requested configurations. We highly recommend testing in your specific application to assure compliance to your requirements.

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 2015/863/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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