

# SAS SEALTRON® 1053

## Features and Benefits

Great Electrical Conductivity  
 Excellent Mechanicals  
 Excellent Galvanic Compatibility

SAS SEALTRON® 1053 is an excellent conductive elastomer choice in situations requiring shielding effectiveness, environmental sealing, reliability

SAS SEALTRON® 1053 is a combination of Passivated Silver Plated Aluminum and Silicone, combined to create a conductive matrix.

SAS SEALTRON® 1053 is available in many different variations including:

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

### Silver Plated Aluminum filled Silicone

Elastomer		Silicone
Particle		Passivated Silver Plated Aluminum
Operating Temperature (°C)	Max	160
	Min	-65
Specific Gravity (+/- 13%)		1.8
Hardness Shore A (+/- 7)		30
Compression Set (70 hrs at 100°C, % Max)		40
Tensile Strength (psi, Min)		100
Tear Strength (lb/in., Min)		30
Elongation %	Min	100
	Max	-
Volume Resistivity (ohm-cm, Max)		0.01
Shielding Effectiveness (dB minimum)	200 KHz (H Field)	NOT TESTED
	20 MHz (E Field)	110
	100 MHz (E Field)	110
	500 MHz (E Field)	110
	1 GHz (Plane Wave)	110
	10 GHz (Plane Wave)	110
	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 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).

Postal Address:

SAS Industries Inc.

PO Box 245

Manorville, NY 11949

Physical Address:

SAS Industries Inc.

939 Wading River Manor Rd.

Manorville, NY 11949

Physical Address:

SAS Industries, Inc.

100 Corporate Drive

Elizabeth City, NC 27909

Telephone: 631.727.1441

Fax: 631.727.1387

E-mail: [info@sasindustries.com](mailto:info@sasindustries.com)

[sales@sasindustries.com](mailto:sales@sasindustries.com)

NOTICE: SAS Industries, Inc. does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.