



## SAS SEALTRON<sup>®</sup> 1187

## **Features and Benefits**

Excellent Electrical Conductivity Excellent Mechanicals Excellent Shielding Performance

SAS SEALTRON® 1187 is an excellent conductive elastomer choice in situations requiring shielding effectiveness, environmental sealing, reliability

SAS SEALTRON® 1187 is a combination of Silver and Fluorosilicone, combined to create a conductive matrix.

SAS SEALTRON® 1187 is available in many different variations including:

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

## **Pure Silver filled Fluorosilicone**

Elastomer			Fluorosilicone
Particle			Silver
Operating Temperat	ure (°C)	Max	160
Operating Temperat		Min	-65
Specific Gravity (+/- 13%)			4
Hardness Shore A (+/- 7)			75
Compression Set (70 hrs at 100°C,% Max)			60
Tensile Strength (psi, Min)			250
Tear Strength (lb/in., Min)			40
Elongation % Min Max		100	
		Max	300
Volume Resistivity (ohm-cm, Max)			0.002
Shielding Effectiveness (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 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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