



SAS SEALTRON[®] 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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