



# STOCKWELL ELASTOMERICS

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# TF1867

## Thermally Conductive Silicone Coated Fabric

Saint-Gobain Performance Plastics **ThermaCool® TF1867** is a thermally conductive silicone coated fiberglass fabric that offers high temperature resistance and conformability as a low-cost heat sink gasket. The fiberglass fabric supports the silicone rubber and aids in dimensional stability and cut-through resistance.

### Physical Properties

| Property                                  | Test Method         | TF1867               |
|---|---------------------|----------------------|
| Colour                                    | Visual              | Grey                 |
| Thickness (mm)                            | ASTM D374           | 0.20                 |
| Thermal conductivity (W/mK)               | ASTM E1530          | 0.90                 |
| Thermal impedance (°C in <sup>2</sup> /W) | ASTM E1530 @ 300psi | 0.31                 |
| Break strength (kPa)                      | ASTM D412           | 620                  |
| Elongation (%)                            | ASTM D412           | < 5                  |
| Dielectric strength (volts, total)        | ASTM D149           | 2,500                |
| Volume resistivity (ohm-cm)               | ASTM D257           | 1 x 10 <sup>14</sup> |
| Operating temperature (°C)                | -                   | -60 to 205           |
| UL listing recognition                    | UL94                | 94 VTM-0             |
| Hardness (Shore A)                        | -                   | 85                   |

*All properties are typical values and should not be used for writing specifications.*

### Availability

TF1867 is available in 914mm wide continuous yard goods. Die cut shapes can be purchased through approved local distributors/fabricators. Also available with a low tack acrylic pressure sensitive adhesive on one side.\*

*\* Pressure sensitive adhesive increases thermal resistance by 0.05°C/W.*

### Applications Advantages

- Clean, low-cost replacement for thermal grease.
- Material can be ordered with pressure sensitive adhesive on one side.

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