

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 ² /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 ¹⁴
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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