

# TA3000

## Elastomeric Gap Filler

**Saint-Gobain® ThermaCool® TA3000** is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a premium, ceramic-filled non-silicone elastomer typically supplied with a PET release liner on both sides. The product is intrinsically tacky and has good compression performance over a wide range of stack up tolerances with minimal force applied to component parts. TA3000 can be supplied with a fabric or film on one side for additional support during handling and assembly.

## Features & Benefits

- Non-silicone (acrylic based) formulation
- Conformable with high thermal conductivity
- Low pressure applied to assembled components
- Effective heat dissipation solution for many applications
- Integral support using fabric, film or non-tacky surface for temporary bonding, clean release, and ease of application
- Cost effective gap filler solution for many high performance applications



## APPLICATIONS

- EV battery and powertrain systems
- Power conversion equipment
- Computer and peripherals
- Telecommunications
- Consumer electronics
- Automotive electronics
- Thermal modules to heat sinks
- Lighting and LED applications

## ThermaCool TA3000 Elastomeric Gap Filler — Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Property	TA3000	Test Method
Color	Light Gray	Visual
Total thickness, nominal (mm)	1.5 - 5.0	ASTM D374
Density (g/cc)	2.5	ASTM D792
Hardness (Shore 00)	80	ASTM D2240
Continuous Use Temp (°F) / (°C)	-40°F to 230°F / -40°C to 110°C	—
<b>Electrical</b>		
Voltage Breakdown (kV/mm)	5	ASTM D149
Volume resistivity (ohm-cm)	$1.0 \times 10^{11}$	ASTM D257
Flame Rating	VO (Thickness $\geq$ 2.5mm)	UL94 (UL File: E509528)
<b>Thermal</b>		
Thermal conductivity (W/m-K)	3.0	ASTM D5470

\* All properties are typical values and should not be used for writing specifications. Data reflects non-supported option.

### Important Instructions

Because **Saint-Gobain** cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.

### Shelf Life

12 months after the date of manufacture when stored in original packaging at temperatures up to 25°C and 50% relative humidity.



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