

THERMACOOL.

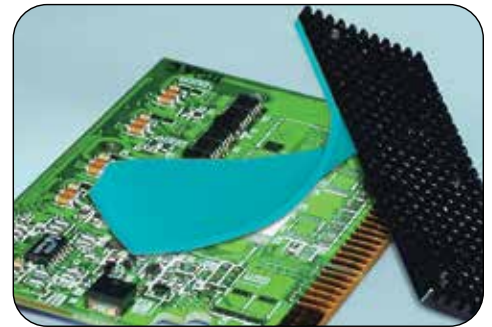
ThermaCool® TC3007

Elastomeric Gap Filler

Saint-Gobain® ThermaCool TC3007 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a premium, soft ceramic-filled 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. TC3007 can be supplied with a fabric or film on one side for additional support during handling and assembly.

Features & Benefits

- Soft and compliant gap filler with excellent performance
- Low pressure applied to assembled components
- IATF 16949 certificate plant
- Effective gap filler solution for many high demand applications
- Integral support using fabric, film or non-tacky surface for temporary bonding, clean release and ease of application



APPLICATIONS

- EV battery and powertrain systems
- Power conversion equipment
- Computer and peripherals
- Telecommunications
- Lighting and LED applications
- Automotive electronics

ThermaCool TC3007 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	TC3007	Test Method
Color	Green	Visual
Total thickness, nominal (mm) (1)	0.5 – 7.0	ASTM D374
Density (g/cc)	2.85	ASTM D792
Hardness (Shore 00)	45	ASTM D2240
Continuous Use Temp (°F) / (°C)	-65°F to 392°F / -54°C to 200°C	—
100 mil, 50% Deflection Force (psi)	21	—
Electrical		
Voltage Breakdown (KV/mm)	10	ASTM D149
Volume resistivity (ohm-cm)	1.0×10^{13}	ASTM D257
Flame Rating	V-0 equivalent	UL94
Thermal		
Thermal Impedance (°C in ² /W) 100 mil (2)	0.98	ASTM D5470
Thermal conductivity (W/m-K)	3.0	ASTM D5470

1) 0.5 mm increments. 2) Deflection 30% strain.

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

Data reflects non-supported option.

Shelf Life

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



TAPE SOLUTIONS

North America | South America
Europe | Asia

For more information, please visit
tapesolutions.saint-gobain.com

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: This document should not be considered a warranty or a guarantee. The descriptions of the Product provided hereinabove may vary based on specifications requested and testing protocols. Typically, Saint-Gobain warrants that product(s) will meet mutually agreed specifications at delivery and Saint-Gobain honors any breach of warranty claims for six (6) months from delivery of the products. If a product is determined to be nonconforming with its warranty, Saint-Gobain's sole obligation is, at its option, to either replace the nonconforming products or reimburse the purchase price for the same.

The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE.

Form #1646 | © Saint-Gobain March 2025 | All the mentioned trademarks are registered trademarks of Saint-Gobain Tape Solutions or affiliates, part of Saint-Gobain group.