

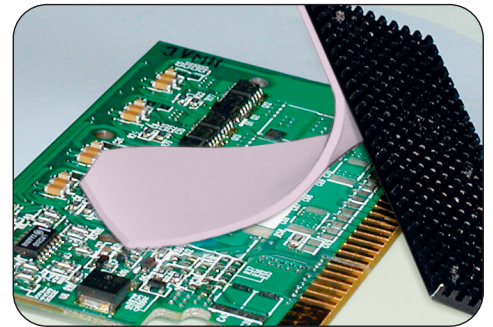
ThermaCool® TC2006

Elastomeric Gap Filler

Saint-Gobain® ThermaCool TC2006 is an economical, soft ceramic-filled silicone elastomer typically supplied with a PET release liner on both sides. The product is intrinsically tacky and has excellent compression performance over a wide range of stack up tolerances with minimal force applied to component parts. TC2006 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
- Economical choice with excellent performance for many applications
- Low pressure applied to assembled components
- IATF 16949 certificate plant
- Integral support using fabric, film or non-tacky 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 TC2006 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	TC2006	Test Method
Color	Light Purple	Visual
Total thickness, nominal (mm) (1)	0.5-7.0	ASTM D374
Density (g/cc)	1.94	ASTM D792
Hardness (Shore 00)	40	ASTM D2240
Continuous Use Temp (°F) / (°C)	-65°F to 392°F / -54°C to 200°C	—
100 mil, 50% Deflection Force (psi)	30	—
Electrical		
Voltage Breakdown (VAC)	> 5000	ASTM D149
Volume resistivity (ohm-cm)	1.8×10^{10}	ASTM D257
Flame Rating	V-0	UL94
Thermal		
Thermal Impedance (°C in ² /W) 100 mil (2)	2.03	ASTM D5470
Thermal conductivity (W/m-K)	1.6	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.



Saint-Gobain Tape Solutions

North America | South America | Europe | Asia

For a full list of locations, please visit
tapesolutions.saint-gobain.com/contact-us

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 misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 6 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. 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 IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Form #1057 | © Saint-Gobain January 2021 | **ThermaCool** is a trademark of Saint-Gobain.