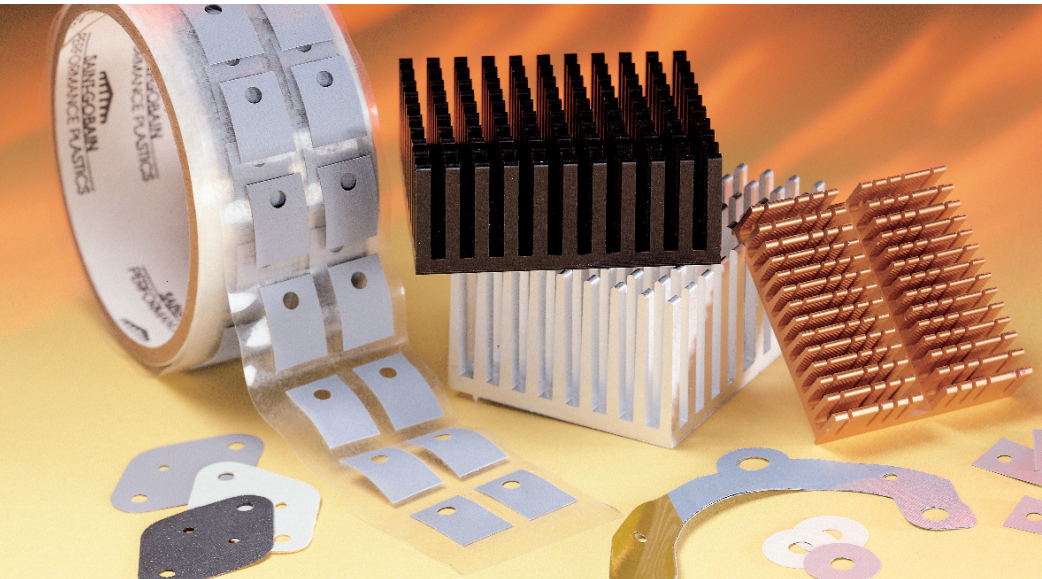


ThermaCool™ Thermal Management Materials



Thermally Conductive Fabrics—Fabric reinforced silicone polymer sheets used to provide thermal management solutions where interface gaps are less than 15 mils.

The ThermaCool™ family of high performance thermally conductive Coated Fabrics provide solutions to difficult thermal management problems. These products can be used for low cost thermal transfer requiring minimal thickness, high physical and mechanical characteristics. The fiberglass/silicone compound construction provides excellent cut thru resistance, good thermal conductivity and excellent electrical isolation. Thickness ranges from .007 to .018 inch to fill the need of the varying gap requirements.

Products and Description

- **TF400 Series:** Cost-effective thermally conductive silicone coated fabric supplied in thickness of 7.0 and 9.0 mils thick.
- **TF1870 Series:** Similar to TF400 Series but improved thermal performance.
- **TF1818:** 18.0 mil thick thermally conductive silicone coated fabric. Increased break strength and extra smooth surface.
- **TF 500 Series:** Thermally conductive silicone coated fabric with higher thermal performance than TF400 Series and supplied in 7.0 and 9.0 mils thicknesses.
- **All Products:** Can be supplied with a thermally conductive acrylic adhesive on one side.

Thermally Conductive Coated Fabrics

Typical Applications

- Products to fill the need of varying component clamping forces and methods
- Electrically isolating components while providing excellent thermal transfer to heat sinks
- Electronic modules for power supplies and telecommunications
- Fits between CPU and Heat Spreader
- Heat Transfer pads in Memory Modules
- CD-ROM Cooling
- Heat Pipe Assemblies

Key Product Properties

- Gap Filling for Improved thermal Transfer
- Electrical Isolating
- Thermally conductive acrylic adhesive system is available for special applications
- UL flame retardant approvals
- Silicone matrix provides excellent resistance to UV radiation and is tolerant of wide temperature ranges
- Can be easily die cut for simple, low cost application

Simply the coolest
**THERMA
COOL™**

Other Thermal Management Products

- **Thermally Conductive Tapes**—Tape systems with thermally conductive adhesives and substrates that can either be electrically isolating/thermally conductive or only thermally conductive.
- **Gap Fillers**—Conductively filled silicone polymer sheets used to provide thermal management solutions where interface gaps are greater than 10 mils.
- **Phase Change Materials**—High performance systems to be used in the microelectronics area to conduct heat from microprocessors and other miniature electronic components

Thermal Fabrics

Description	ThermaCool	Chomerics	Bergquist
Low Cost Thermal Fabric	TF400	ChoTherm 1674	Sil-Pad 400
Mid Performance Fabric	1818, 1877, 1879	ChoTherm 1674	Sil-Pad 600
High Performance Fabric	TF500	ChoTherm 1671, 1678, T500	Sil-Pad 800, 900S, A1500



ThermaCool™ is a trademark.

Saint-Gobain Performance Plastics
Advanced Films and Fabrics—The Americas
717 Plantation Street
Worcester, MA 01605
Tel: (508) 852-3072
Fax: (508) 852-3759

Saint-Gobain Performance Plastics
Advanced Films and Fabrics—Asia
Suite 1203, No. 147
Chienkwo North Road Section 2
Taipei Taiwan, 104
Taiwan
Tel: 886 (2) 25034201
Fax: 886 (2) 25034202

Saint-Gobain Performance Plastics
Advanced Films and Fabrics—Europe
Industrial Estate
Kilrush
County Clare
Ireland
Tel: 353 65 90 80 170
Fax: 353 65 90 80 177

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