



LOCTITE® BERGQUIST TGP 30000SF

May 2026

PRODUCT DESCRIPTION

LOCTITE® BERGQUIST TGP 30000SF is a highly conformable gap pad with exceptional thermal performance.

Technology	Silicone-free
Appearance	Black
Application	Thermal management, TIM (Thermal interface material)
Operating temperature range	-40°C to 125°C
Specific benefits	• High thermal conductivity: 30 W/m-K • Silicone free chemistry

FEATURES AND BENEFITS

- Thermal conductivity: 30 W/m-K
- Silicone free – low bleed, low outgassing*
- One-sided tack layer for ease of handling and assembly

LOCTITE® BERGQUIST TGP 30000SF is a gap filling material rated at a thermal conductivity of 30 W/m-K. It is specially formulated for high performance applications requiring silicone free solutions. This material offers exceptional thermal performance at typical pressures due to the unique vertically-oriented filler technology. Standard one-sided PSA for enhanced handling and fixturing.

TYPICAL APPLICATIONS

- Datacenters for AI and cloud computing
- DSPs and lasers in optical transceivers
- GPUs, CPUs in high performance computing
- Immersion cooling for AI accelerators
- Telecom infrastructure
- Vehicle control units and sensors for ADAS
- Aerospace, defense electronics

TYPICAL PROPERTIES

Physical properties

Hardness, Shore 00, ASTM D2240	77
Density, ASTM D792, g/cc	1.6
Heat capacity, ASTM E1269, j/g-K	1.1
Shelf life, days	365 (pending)
Peak stress @ 30% Strain*, psi	110
Relaxed stress after 5min*, psi	20

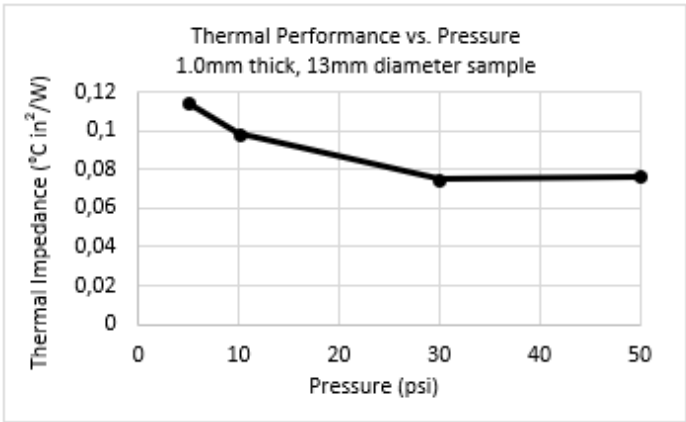
*Measured on 40mil thick 0.5in diameter pads

Thermal properties

Thermal conductivity, ASTM D5470, W/m-K	30*
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*Measured 0.5mm to 1.5mm pads at 20psi

Thermal performance vs. pressure



GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet (SDS).

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on the specifications of this product.

CONFIGURATIONS AVAILABLE

LOCTITE® BERGQUIST TGP 30000SF is available in the following configurations, custom part sizes available upon request:

Sheet size	8" x 8"
Standard thicknesses	20, 40, 60, 80, 100, 125 mils

Storage

Store product in an unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal storage: for a 365 days shelf life in original packaging.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Henkel representative.

Approval and certificate

Please contact Henkel representative for related approval or certificate of this product



Data ranges

The data contained herein may be reported as a typical value. Values are based on actual test data and are verified on a periodic basis.

Temperature/Humidity Ranges: 23°C / 50% RH = 23±2°C / 50±5% RH

Conversions

(°C x 1.8) + 32 = °F

kV/mm x 25.4 = V/mil

mm / 25.4 = inches

µm / 25.4 = mil

N x 0.225 = lb

N/mm x 5.71 = lb/in

N/mm² x 145 = psi

MPa x 145 = psi

N·m x 8.851 = lb·in

N·m x 0.738 = lb·ft

N·mm x 0.142 = oz·in

mPa·s = cP

Disclaimer

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