

THERM-A-GAP™ GEL 30

High Performance Fully Cured Dispensable Gel



Parker Chomerics THERM-A-GAP Gel 30 is a fully cured dispensable gel designed to eliminate time consuming hand assembly, decreasing installation costs and reducing customer manufacturing and purchasing (logistical) complexity. It requires no mixing or curing, providing superior design flexibility.

Product Attributes:

- Provides low thermal impedance at thin and thick gaps, allowing use of common heat spreaders
- Proven reliability in extreme temperature cycling and shock & vibration
- Deflects easily under very low compressive forces, decreasing stress on components thus decreasing component failures.
- Accommodates a variety of bond line thicknesses for application to multiple devices
- Successfully used to fill a variety of different gap thickness
- Compatible with high volume, automated dispense processes
- Meets Telcordia (Bellcore) silicone specifications



Contact Information

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Product Features

- Easily dispensable
- Fully-cured/ No pump out
- High bulk thermal conductivity
- Low thermal impedance
- Ultra low compression force
- High tack surface & reworkable
- Proven long-term reliability

Typical Applications

- Automotive electronic control units (ECUs)
- Power supplies & semiconductors
- Memory and power modules
- Microprocessors and graphics processors
- Flat panel displays & consumer Electronics

THERM-A-GAP™ GEL 30 Product Information

	Typical Properties†	GEL 30	Test Methods
Physical	Color	Pink	Visual
	Flow Rate, g/min - 30 cc syringe with no tip, 0.100" orifice, @ 90 psi (621 kPa)	20	Chomerics
	Specific Gravity	3.1	ASTM D792
Thermal	Typical Minimum Bond Line Thickness, in (mm)	0.004 (0.10)	Chomerics
	Thermal Conductivity, W/m-K	3.5	ASTM D5470
	Heat Capacity, J/g-K	1	ASTM E1269
Electrical	Operating Temperature Range, °F (°C)	-67 to 392 (-55 to 200)	Chomerics
	Dielectric Strength, Vac/mil (kVac/mm)	200 (8.0)	ASTM D149
	Volume Resistivity, ohm-cm	10 ¹⁴	ASTM D257
	Dielectric Constant @ 1,000 kHz at 0.030" (0.76 mm) thick	7.0	ASTM D150
Regulatory	Dissipation Factor @ 1,000 kHz at 0.030" (0.76 mm) thick	0.002	Chomerics
	Flammability Rating	V-0	UL 94
	RoHS Compliant	Yes	Chomerics Certification
	Outgassing, % TML (% CVCM)	0.15 (0.05)	ASTM E595
	Shelf Life, months from date of manufacture	18	Chomerics
	Storage Conditions, °F (°C) @ 50% Relative Humidity	50 to 90 (10 to 32)	Chomerics

† Typical properties: these are not to be construed as specifications.

* For more information on Bulk and Apparent Thermal Conductivity see our white paper:

<https://blog.parker.com/site/usa/en-US/details-home-page/thermal-conductivity-measurement-frequently-asked-questions-fags-us>

THERM-A-GAP™ GEL 30 Ordering Information

Part Number	Typical Standard Fill Volume (cc)	Packaging Description
65-00-GEL30-0010	10	10cc Luer-Lock™ manual syringe
65-00-GEL30-0030	30	30cc Tapered Tip syringe
65-02-GEL30-0030	30	30cc EFD plastic syringe
65-00-GEL30-0300	300	12oz (300cc) aluminum cartridge
65-1P-GEL30-3300	3300	1 U.S. gal. pail

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