THERM-A-GAP™ GEL 75

High Performance Fully Cured Dispensable GEL

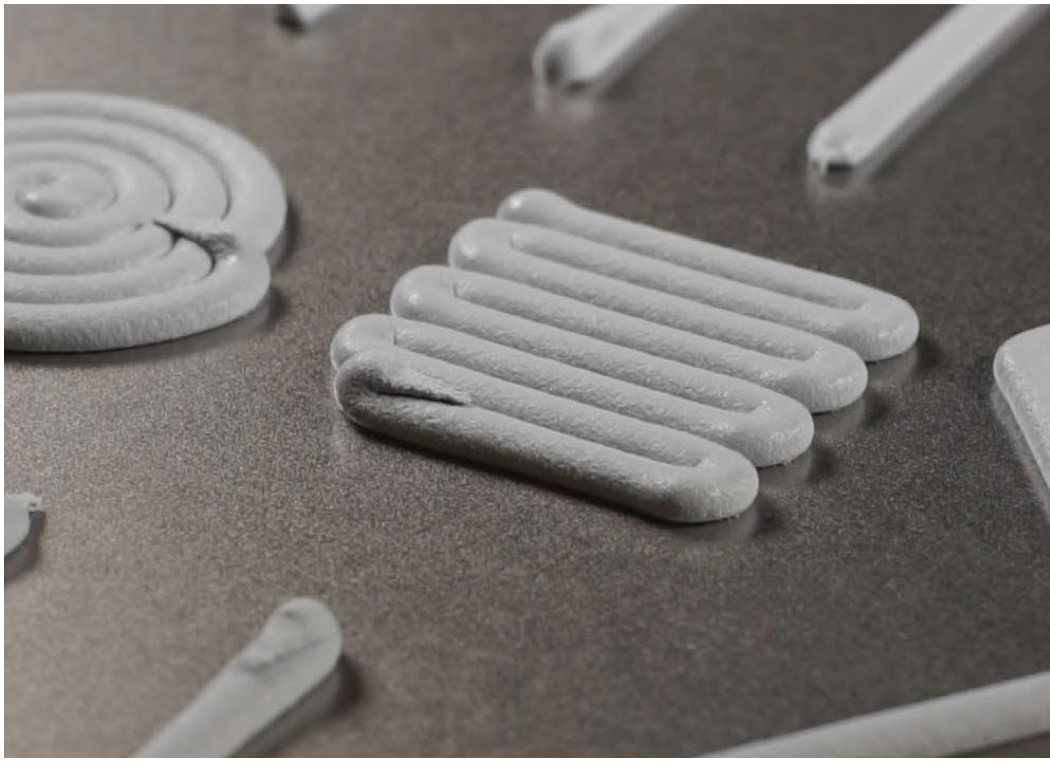


Customer Value Proposition

Parker Chomerics THERM-A-GAP GEL 75 is a high performance, one component, dispensable thermal interface material with 7.5 W/m-K thermal conductivity developed to conduct heat from electronics to a heat sink or enclosure.

The material's heavy paste-like consistency enables controlled dispensing, applied in variable thicknesses to suit application needs. THERM-A-GAP GEL 75 requires low compressive force to deform under assembly pressure subjecting components, solder joints and leads to minimal stresses.

It is formulated to accommodate today's high performance electronics and is ideal for automated dispensing machines, rework and field repair situations.



Product Features

- Thermal conductivity: 7.5 W/m-K
- Easily dispensed
- No secondary curing required
- Low thermal impedance
- Ultra-low compression force
- Reworkable

Typical Applications

- Telecom base stations
- Power supplies and semiconductors
- Memory and power modules
- Microprocessors
- Central processing units (CPUs)

Contact Information

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Packaging and Handling

Material may be packaged in syringes, cartridges, or bulk packaged in pails.

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THERM-A-GAP GEL 75 Product Information

	Typical Properties*	GEL 75	Test Methods
Physical	Color	Light Gray	Visual
	Flow Rate, g/min - 30cc syringe with no tip, 0.100" orifice, 90psi (621 kPa)	30	Chomerics
	Specific Gravity	3.4	ASTM D792
	Typical minimum bondline thickness, in (mm)	0.008 (0.20)	Chomerics
Thermal	Thermal Conductivity, W/m-K	7.5	ASTM D5470
	Heat Capacity, J/g-K	1.0	ASTM E1269 (25°C ± 2°C - DSC)
	Coefficient of Thermal Expansion, ppm/K	150	ASTM E831
	Operating Temperature Range °F (°C)	-67 to 392 (-55 to 200)	Chomerics
Electrical	Dielectric Strength, Vac / mil (kVac/mm)	220 (8.7)	Chomerics
	Volume Resistivity, ohm-cm	10^{14}	ASTM D257
	Dielectric Constant @ 1000 kHz	7.2	ASTM D150
	Dissipation Factor @ 1000 kHz	0.023	Chomerics
Regulatory	Flammability Rating	V-0	Chomerics
	RoHS Compliant	Yes	Chomerics
	Outgassing, % TML (% CVCM)	0.18 (0.05)	ASTM E595
	Shelf Life, months from date of manufacture	18	Chomerics

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

Part Number	Standard Fill Volume (cc)	Standard Fill Mass (grams)	Description
65-00-GEL75-0010	10	33	Luer-Lok™ Syringe
65-02-GEL75-0030	27	89.1	Nordson EFD Syringe
65-02-GEL75-0180	150	495	Nordson EFD Syringe
65-00-GEL75-0300	300	990	Aluminum Cartridge
65-1P-GEL75-2500	2500	8250	1 US gal. pail
65-5P-GEL75-7350	7500	24,990	5 US gal. pail

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5C4OMXS 16M33C8OMXS 1CE48-8-4 16TTP4XS M38SCFX OSP-P16-00000-00500 1D048-22-12 14948-12-4 10M18C8OMXS VKA18CF OSPP250000000400000000000 944439Q 6 RTX-S 8C3MXS 1CF48-12-6 ETM6-316 H4-63-BSPP D3W020BNJW 4R6MK4S 934330 RAP006.4X 2304 RAP3-112 P31KA00ESC 16J6MK4S 5TTP4MXS SCM10-316 1C948-30-16 12-8C3MXS EPF2110QIBM3MG121