

THERM-A-GAP™ GEL 37

High Performance Fully Cured Dispensable GEL

Parker Chomerics THERM-A-GAP GEL 37 is a high performance, one component, dispensable thermal interface material with 3.7 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 37 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.

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Product Features

- Thermal conductivity: 3.7 W/m-K
- Easily dispensed
- No secondary curing required
- Low thermal impedance
- Very low compression force
- Reworkable

Typical Applications

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

THERM-A-GAP™ GEL 37 Product Information

Typical Properties†		GEL 37	Test Methods
Physical	Color	Blue	Visual
	Flow Rate, g/min - 30cc syringe with no tip, 0.100" orifice, 90 psi (621 kPa)	30	Chomerics
	Specific Gravity	3.1	ASTM D792
	Typical Minimum Bond Line Thickness, in (mm)	0.004 (0.10)	Chomerics
Thermal	Thermal Conductivity, W/m-K	3.7	ASTM D5470
	Heat Capacity, J/g-K	1	ASTM E1269
	Operating Temperature Range, °F (°C)	-67 to 392 (-55 to 200)	Chomerics
Electrical	Dielectric Strength, Vac/mil (kVac/mm)	180 (7)	ASTM D149
	Volume Resistivity, ohm-cm	10 ¹⁴	ASTM D257
	Dielectric Constant @ 1,000 kHz at 0.030" (0.76 mm) thick	5.8	ASTM D150
	Dissipation Factor @ 1,000 kHz at 0.030" (0.76 mm) thick	0.004	Chomerics
Regulatory	Flammability Rating	V-0	UL 94
	RoHS Compliant	Yes	Chomerics Certification
	Outgassing, % TML (% CVCN)	0.18 (0.07)	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.

THERM-A-GAP™ GEL 37 Ordering Information

Part Number	Typical Standard Fill Volume (cc)	Typical Standard Fill Mass (g)	Packaging Description
65-00-GEL37-0010	10	31	10cc Luer-Lock™ manual syringe
65-02-GEL37-0030	27	84	30cc EFD plastic cartridge
65-02-GEL37-0180	150	465	6oz (180cc) EFD plastic cartridge
65-00-GEL37-0300	290	899	12oz (300cc) aluminum cartridge
65-1P-GEL37-2500	2500	7750	1 U.S. gal. pail

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