

THERM-A-GAP™ GEL 75VT

7.5 W/m-K High Performance, High Reliability, Fully Cured, Dispensable Thermal Gel

Parker Chomerics THERM-A-GAP™ GEL 75VT is a reworkable, one-component, silicone dispensable thermal interface gel with a 7.5 W/m-K typical thermal conductivity. GEL 75VT was developed to conduct heat away from electronics to heat sinks or enclosures and to perform reliably in vertical and / or high vibration applications. The "VT" suffix in the product name stands for Vertical Tackiness.

During development, GEL 75VT was tested to a number of rigorous long term reliability tests such as automotive vertical slump testing, high vibration testing, and telecommunications thermal material verification processes. The long-term reliability of GEL 75VT provides confidence for mission critical applications that rely on consistent thermal performance over many years of continuous operation.

THERM-A-GAP™ GEL 75VT requires no mixing or secondary curing and is designed for easy application and rework. It can be dispensed at various bond line thicknesses typically up to 0.160in (4mm) to take up gaps created by assembly or manufacturing tolerances. As with all Parker Chomerics thermal gels, GEL 75VT is formulated to accommodate today's high-performance and high-reliability electronics while being ideal for automated dispensing machines, rework, and field repair situations.

Product Features

- Resistant to slump in vertical applications
- High vibration reliability & high tackiness
- High thermal performance: 7.5 W/m-K conductivity
- Very low compression force
- Reworkable
- No secondary cure required
- One-component

Typical Applications

- Network and IT infrastructure
- Telecommunications modules
- Automotive sensors and devices
- Consumer electronics
- Mission critical technology
- Industrial electronics equipment
- Battery and energy storage modules



ELECTRONIC SERVICE GMBH
Hohe Str. 3 | 61231 Bad Nauheim
T 06032 96360 | F 06032 963649
info@electronic-service.de

THERM-A-GAP GEL 75VT PRODUCT INFORMATION

Typical Properties†		GEL 75VT	Test Methods
Physical	Color	White	Visual
	Flow Rate, g/min - 30 cc syringe with no tip, 0.100" orifice, 90 psi (621 kPa)	15-25	Chomerics
	Specific Gravity	3.4	ASTM D792
	Typical Minimum Bond Line Thickness, in (mm)	0.008 (0.2)	Chomerics
Thermal	Thermal Conductivity (Bulk), W/m-K	7.5	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)	220 (8.7)	ASTM D149
	Volume Resistivity, ohm-cm	10 ¹⁴	ASTM D257
	Dielectric Constant @ 1,000 kHz at 0.050" (1.27 mm) thick	9.5	ASTM D150
	Dissipation Factor @ 1,000 kHz at 0.050" (1.27 mm) thick	0.004	Chomerics
Regulatory	Flammability Rating	V-0 (Tested by Chomerics)	UL 94
	RoHS Compliant	Yes	Chomerics Certification
	Outgassing, % TML (% CVMC)	0.46 (0.18)	ASTM E595
	Shelf Life, months from date of manufacture	12	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 75VT ORDERING INFORMATION

Part Number	Typical Standard Fill Volume (cc)	Typical Standard Fill Mass (g)	Packaging Description
65-00-GEL75VT-0010	10	34	10cc Luer-Lock™ manual syringe
65-02-GEL75VT-0030	27	92	30cc EFD plastic cartridge
65-02-GEL75VT-0180	150	510	6oz (180cc) EFD plastic cartridge
65-00-GEL75VT-0300	300	1,020	12oz (300cc) aluminum cartridge
65-1P-GEL75VT-2500	2,500	8,500	1 U.S. gal. pail
65-5P-GEL75VT-7800	7,800	26,520	5 U.S. gal. pail



We're Here to Help
Scan QR code or visit parker.com/chomerics to:

- [Request a Free Sample](#)
- [Talk to an Expert](#)
- [Get a Quote](#)
- [Find Where to Buy](#)

Parker Hannifin Corporation
Chomerics Division
77 Dragon Court
Woburn, MA 01801
Phone 781 935 4850
Fax 781 933 4318
chomailbox@parker.com
parker.com/chomerics

CHODS1112 November 2024
©2024 Parker Hannifin Corporation



ELECTRONIC SERVICE GMBH
Hohe Str. 3 | 61231 Bad Nauheim
T 06032 96360 | F 06032 963649
info@electronic-service.de