HLT3500

THERMAL CONDUCTIVE GEL

HLT3500 is two-part, dispensable thermally conductive gel, which offers long-term reliability and superior softness. The enhanced bonding force between the polymer base and the filler reduces oil separation risk during storage. Prior to curing, the material maintains good thixotropic shear thinning characteristics for ease of dispensing. HLT3500 cures in short time after two-component thoroughly mixing at room temperature. Its high compressibility and good wetting to substrates minimizes thermal resistance at interfaces, while maintaining excellent performance during reliability testing.

STORAGE & USE: Shelf life 12 months at 0-35°C, ≤65%RH

CONFIGURATIONS AVAILABLE:

- Cartridge
- Kits
- With or without glass bead (250um)

Typical Applications:

- Consumer electronics
- Telecommunications equipment
- Automotive electronics
- Memory & power modules

PROPERTY		HLT3500	TEST METHOD
Color		Part A: White Part B: Blue	Visual
Mix Ratio		1:1	by Volume
Thermal Conductivity (W/m·K)		3.5	ASTM D5470
Thermal Impedance (°C·in²/W) (1mm@10psi, Typical Value)		0.50	ASTM D5470
Viscosity (Pa·s@25°C)		200~400	ASTM D2196 Brookfield Viscometer, #7 spindle@10rpm
Density (g/cm³)		3.1	ASTM D792
Hardness (Shore00)		50	ASTM D2240
Minimum BLT (μm)		100	SOLS Internal
Working Time@25°C (h)		2.0	SOLS Internal
Curing Time	@25°C (h)	18.0	SOLS Internal
	@120°C (h)	0.5	SOLS Internal
Dielectric Strength (KV/mm)		10	ASTM D149
Volume Resistivity (ohm-cm)		1.0×1013	ASTM D257
Flammability Rating		V-0 (Equivalent)	UL 94
Operating Temperature (°C)		-40~150	SOLS Internal

**Typical property data values should not be used as specifications.*

FEATURES & BENEFITS

- Low contact resistance
- Easy to dispense and rework
- High compressibility for low stress applications
- Less oil separation
- Long-term reliability
- No pump out
- No cracking

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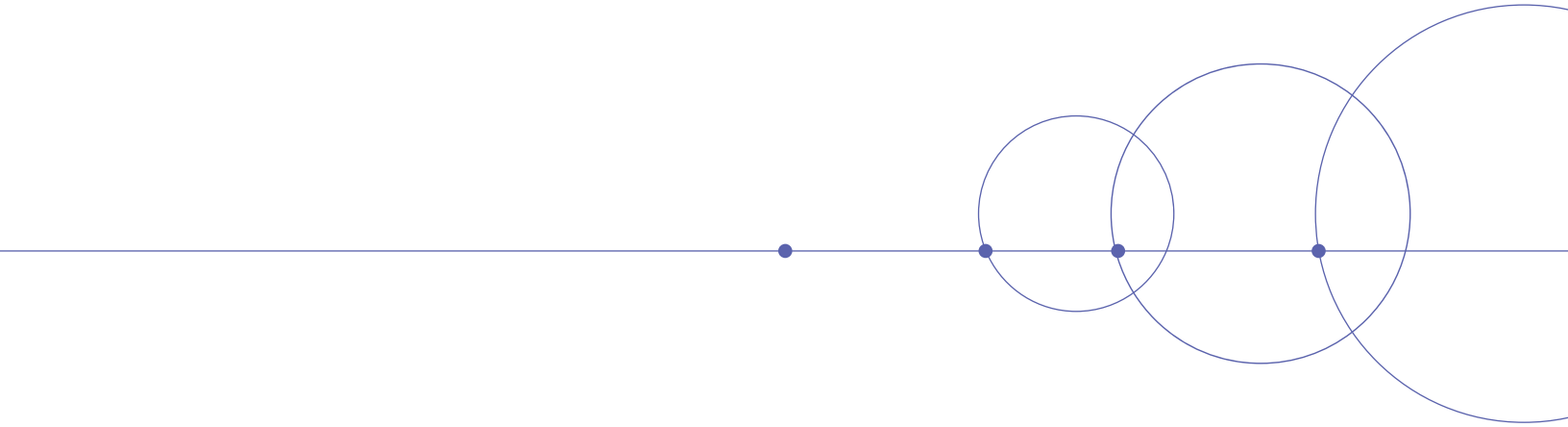

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6230502-esm-tds-hlt3500-ltr-en | SOLS | 06/26