Technical Data Sheet

Thermal Grease 21-420

Version TDS.21-420.V.B.0

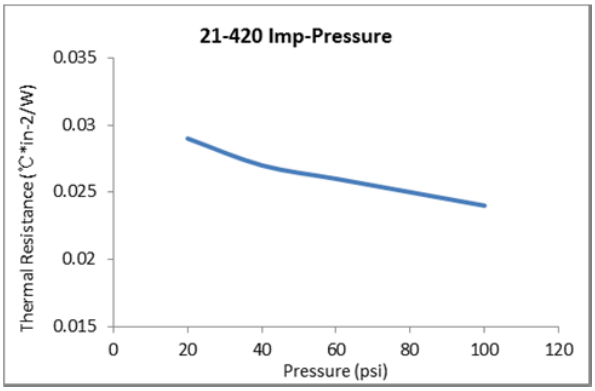
Description

Thermal Grease 21-420 is grease-like thermal interface material, designed to perform low thermal resistance between high watt density chips like CPUs, GPUs, ASICS, Northbridge chipsets and heat sink. It provides outstanding reliability while remaining stable through all industry standard reliability testing.

Typical Properties

Properties		21-420	Test Method
Thermal	Thermal Conductivity (W/m-K)	2	ASTM D5470
	Thermal Resistance @20 psi (in^2°C/W)	0.029	ASTM D5470
	Thermal Resistance @40 psi (in^2°C/W)	0.027	ASTM D5470
	Continuous Use Temp. (°C)	-40~150	JONES
Physical	Substrate	Silicone	-
	Color	Grey	Visual
	Viscosity (cP)	Customized (<150,000)	Brookfield Viscometer Tespindle
	Specific Gravity (g/cc)	2.2	ASTM D792
Electrical	Volume Resistivity (ohm-cm)	>10^11	ASTM D257
Regulatory	Flammability Rating	V0	UL 94
	Shelf Life @25°C (Months)	6	JONES
	RoHS Compliant	YES	-

Thermal Resistance vs Compression



Benefits

- Moderate Viscosity
- Solvent-free
- Non-Curing Material (No Need For Curing Oven)
- RoHS Compliant

Applications

- CPUs (Notebooks, PCs, Servers)
- LED Solid State Lighting
- GPUs
- Northbridge Chipsets
- ASICS Chips

Ordering Information

21 - 4XX - 001 - YYY

- 21: Thermal
- 4XX: Thermal Performan
- 001
- YYY: Package

Standard Package

21-420-001-030M = thermal grease 21-420 30cc tube (80g)
21-420-001-600M = thermal grease 21-420 600cc can (1kg)
21-420-001-001L = thermal grease 21-420 1L can (2kg)
21-420-001-001G = thermal grease 21-420 1 Gallon can (8kg)

Storage Requirement

Room Temperature Between 8 to 28 degree
R.H. 50%
* Unopened Original Package

JONES TECH PLC
3 Dong Huan Zhong Road, BDA,Beijing 100176 China
TEL: +86 10 6786 2636 FAX: +86 10 67860291
E-mail: sales@jones-corp.com