

Thermal Grease 21-430SF

Version TDS.21-430SF V.A.0

Description

Thermal Grease 21-430SF is grease-like silicon-free 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.



Benefits

- Moderate Viscosity
- Low Thermal Resistance
- High Thermal Conductivity
- RoHS Compliant
- Solvent-free

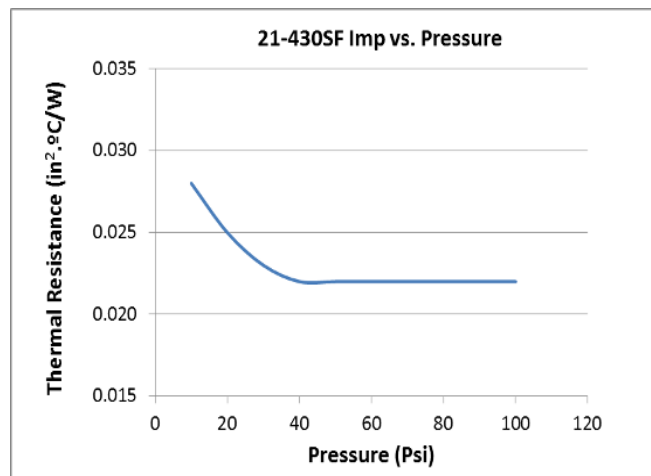
Applications

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

Typical Properties

Properties	21-430SF	Test Method	
Thermal	Thermal Conductivity (W/m-k)	3	ASTM D5470
	Thermal Resistance @10 psi (in ² °C/W)	0.030	ASTM D5470
	Thermal Resistance @50 psi (in ² °C/W)	0.023	ASTM D5470
	Continuous Use Temp. (°C)	-40~150	JONES
Physical	Substrate	Silicone-free	-
	Color	Light Grey	Visual
	Viscosity (cPs)	300,000	Brookfield Viscometer Tespindle @ 20rpm
	Specific Gravity (g/cc)	2.65	ASTM D792
Electrical	Dielectric Strength (KVAC/mm)	>7	ASTM D149
	Volume Resistivity (ohm-cm)	>10 ¹⁴	ASTM D257
	Dielectric Constant @1MHz	4.12	ASTM D150
Regulatory	Flammability Rating	V0	UL 94
	Shelf Life @25°C (Month)	6	JONES
	RoHS Compliant	YES	-

Thermal Resistance vs. Compression



Standard Package

Supplied in the package of 2 kg (1litre), 8kg (1 gallon) and 30 kg (5 gallon).

Storage Requirement

Room Temperature under 25 °C
* Unopened Original Package

Disclaimers

- The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the issuing date of this TDS. When using our products, no matter what type of equipment they might be used for, be sure to make a written agreement on the specifications with us in advance. The design and specifications in this TDS are subject to change without prior notice.
- Do not use the products beyond the specifications described in this TDS. This TDS explains the typical performance of the products as individual component. Before use, check and evaluate their operations when installed in your products.
- Install the following systems for a failsafe design to ensure safety if these products are to be used in equipment where a defect in these products may cause the loss of human life or other significant damage, such as damage to vehicles (automobile, train, vessel), traffic lights, medical equipment, aerospace equipment, electric heating appliances, combustion/gas equipment, rotating equipment, and disaster/crime prevention equipment.

