Technical Data Sheet TS1101

Features & Benefits

Thermal grease, as the heat transfer medium of electronic components and lighting assemblies, can be used for reducing the operating temperature of the heating element.

- REACH, ROHS certified
- High thermal conductivity
- Good temperature resistance

Application

- Lighting assemblies
- Telecom equipment
- Consumer electronics
- Power supplies
- Power components for transportation

Description

Thermal grease is a kind of gray paste organosilicon compound. This product has good thermal conductivity and dielectric properties, weather resistance, pollution resistance, anti-ultraviolet property, and excellent moisture-proof insulation property. This product is suitable for the thermal coating of electrical appliances and electronic products, it is easy to use.

Packing Information

1. 1kg/can; 300ml/tube
2. 20g/syringe (Packing can be customized as per requirements)

Storage and Validity

Stored at room temperature, and in a cool, ventilated, dry place.
Shelf life: 12 months

Typical Properties

Item	Index
Appearance	Grey
Specific gravity(g/cm^3)	2.6
Viscosity(cP)	82000
Thixotropy	1.7
Thermal resistance at 40 psi(℃-cm^2/W)	0.02
Temperature range (℃)	-45 ℃ ~ 200 ℃
Volatile component (150℃/4H)	0.02%
Volume resistivity (Ω.cm3) ≥	1.3×10^{13}
Dielectric strength (KV/mm) ≥	1.89
Thermal conductivity(W/m.K)	4.5
Dielectric constant@1 kHz	14.0

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