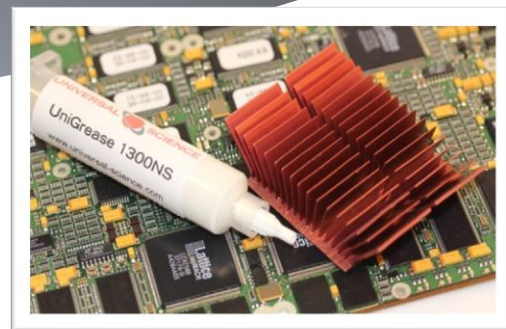


UniGrease 1300NS

Non-Silicone Thermal Grease



UniGrease 1300NS is a thixotropic thermal grease formulated to deliver exceptional thermal performance and high dielectric strength properties.

UniGrease 1300NS is durable and will resist pump-out or bleed. The compound is developed as a replacement for all general purpose silicone and non-silicone greases. UniGrease 1300NS has 1.3W/mK thermal conductivity and is capable of being spread into a very thin bond line for extremely low thermal resistance.

Features

- Non-silicone and non-abrasive formulation
- Soft and thixotropic in nature
- Will not bleed, pump out or evaporate during normal operation

Availability

- Supplied in syringes and containers to a specified volume for easy application
- Available in cartridges for screen printing, automatic and semi-automatic volume application

Benefits

- Able to applied very thinly for minimal thermal resistance between mating surfaces
- Provides good reliability and durability
- Will clean easily with water

Recommended Uses

- Thermally coupling a heat generating device to a heatsink which may need to be removed at a later time
- Within silicone sensitive electronic devices
- Power supplies
- Can also be used as an effective thermal joint compound

Typical Physical Properties

Property (unit)	Test Method	UniGrease 1300NS
Colour	Visual	White
Thermal Conductivity (W/mK)	ASTM D5470	1.3
Consistency (Penetration, worked, 60x)	ASTM D217	330
Operating Temp. (°C)	-	-45 to +180
Flow Rate (grams/min)	In House	5.0
Specific Gravity (@25°C)	ASTM D70	2.6
Thermal Resistance @ 50°C (°C-cm ² /W)	ASTM D5470	0.0334

Mechanical and Dielectric Information

Property (unit)	Test Method	UniGrease 1300NS
Dielectric Strength (V/0.025mm) @ 1.27mm Gap	ASTM D217	260
Dielectric Constant (25°C @ 1000Hz)	ASTM D150	5.0
Volume Resistivity (Ω-cm)	ASTMD257	2.0 x 10 ¹⁵
Bleed @150°C, 24hrs (%/Wt)	FTM321	0.0
Evaporation @150°C, 24hrs (%/Wt)	FTM321	1.0



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