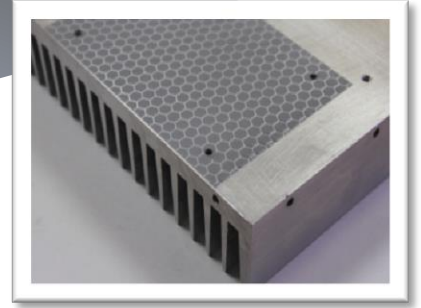


UniPhase 3500

Phase Change Interface



UniPhase 3500 is a screen printable, phase change grease replacement material that delivers exceptional performance between mating surfaces.

UniPhase 3500 is applied directly to the heat sink in a controlled and thin bond line. It is repeatable, consistent and heat-cured to form a dry compound thus enabling heatsink and interface to be shipped as a combination. UniPhase 3500 changes phase to become a grease-like material on reaching 45°C.

Features

- Phase change occurs at 45°C expelling micro air-voids
- Conforms to differing surface textures becoming a thin and homogeneous silicon-free interface
- No mess, dry to the touch post initial cure
- Thermal conductivity = 3.5 W/mK

Availability

- Available pre-applied to heatsink ready for immediate assembly
- Available as screen-printable or dispensable via syringes or cartridges

Typical Physical Properties

Property	Test Method	UniPhase 3500
Colour	Visual	Grey
Thermal Conductivity (W/mK)	ASTM D5470	3.5
Specific Gravity	-	2.0
Operating Temp (°C)	In House	-40 to 125

Benefits

- Combined heatsink and interface
- Thin bond line reduces thermal resistance to an absolute minimum
- Wide operating temperature range
- Repeatable, consistent and reliable interface

Recommended Uses

- Exceptional grease replacement material suitable for use over large surfaces
- Microprocessors, automotive, motor drive applications and active heatsinks within electronic applications

Production Information

Application	Screen printed, dispensed or manual
Shelf life	Unopened container at <27°C 6 months
Cartridge Sizes	Available on request
Recommended Max Thickness	0.25mm (10mils)



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This material is often used in these industries:



Industrial



Medical



Automotive



Military

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