

# GCS-35PCM-SCP

## Dispensible / printable PCM interface material

GCS-35PCM-SCP is a reworkable and repeatable phase change thermal interface material. This material offers the enhanced performance and reliability of a phase change thermal interface material with the application ease of a thermal grease.

GCS-35PCM-SCP is supplied as a paste that can be stenciled, screen printed, or applied manually onto a heat sink or other surfaces. Once the compound is applied, it will dry to a solid phase change material. The material then flows at the phase change temperature and conforms to the surface features of the heat sink and component.

### Paste material properties

Characteristic	Value
Colour	Grey
Specific gravity g/cm <sup>3</sup>	1.7
Working temperature °C	-30 ~ 125
Storage temperature °C	< 40
Viscosity cps	60,000

### Solid physical properties

Characteristic	Value
Colour	Grey
Thermal conductivity W/m*K	3.4
Specific gravity g/cm <sup>3</sup>	2.0
Phase change temperature °C	45

### Applications

#### Displays, lighting protection

PDP TV, LCD CCFL and LCD LED display backlight, LED signage, projectors and new display technology.

#### Consumer and industrial electronics

Mobile telephone, communication base station, laptop, notebook, computer servers, handheld gaming devices, memory modules, CPU modules, amplifiers, batteries, and DC to DC convertors power supplies.

#### Automotive electronics

Engine management, electronic suspension, braking systems, communication and multimedia systems, comfort convenience features, vehicle lighting, vehicle controls, hybrid vehicle battery thermal management, electric vehicle thermal management.



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