



ENGLISH

Datasheet

RS Pro Phase Change Interface Material

RS Stock No: 909-2092

The RS Pro phase change interface material is a re-workable and repeatable phase change thermal interface material (PCM). This material offers the enhanced performance and reliability of a phase change thermal interface material with the application ease of a thermal grease.

The phase change interface material is supplied as a paste that can be stencilled, 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 components and fills air gap voids thus lowering thermal resistance in the assembly.

Paste Material Properties

Characteristic	Test Method	Value
Colour	Visual	Grey
Specific gravity g/cm ³	ASTM D792	1.7
Working temperature °C	-	-30 ~ +125
Storage temperature °C	-	< 40
Viscosity cps	-	60,000

Solid Physical Properties

Characteristic	Test Method	Value
Colour	Visual	Grey
Thermal conductivity W/m*K	ASTM D792	3.4
Specific gravity g/cm ³	-	2.0
Phase change temperature °C	-	45

Applications

Displays and lighting Protection

PDP TV, LCD CCFL and LCD 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 converter power supplies.

Automotive Electronics

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

