

Phase Change Thermally Conductive Materials EU-PCM-58



Phase Change thermal interface materials combine the consistency and ease of use of elastomeric pads with the low thermal impedance of thermal grease.

This winning combination makes this product family an excellent choice for today's most demanding thermal interface applications.

At temperatures above its transition temperature of 50-52°C, our phase change material begins to soften and flow, filling the microscopic irregularities of the components it contacts.

The result is a very thin interface with minimal thermal contact resistance.

This product family is a great replacement for messy grease and it's available as individual die-cut parts, kiss-cut parts, on rolls or sheets.

SPECIFIC PRODUCT CHARACTERISTICS:

Features&Benefits	Configurations	Typical application
<ul style="list-style-type: none"> • Very low thermal resistance • High reliability • Easy to use and handling • UL94 V0 	<ul style="list-style-type: none"> • Sheet 228x228mm • Die cut parts • Kiss cut parts on rolls or sheets 	<ul style="list-style-type: none"> • Microprocessors, Chipsets • Semiconductor cases and heat sink • Power components and modules • LED lighting • Thermoelectric cooling modules

PRODUCT PROPERTIES:

Properties	EU-PCM-58
Colour	Dark Grey
Construction	Non-reinforced film
Thickness	0,076 / 0,127 / 0,20 / 0,25 mm
Density	2,87 g/cc
Operating Temperature Range	-40 to 125°C
Phase Change Softening Range	50°C
Thermal Resistance (thinnest version)	0,019°C-in ² / watt @ 10 psi 0,016°C-in ² / watt @ 20 psi 0,013°C-in ² / watt @ 50 psi
Volume resistivity	3x10 ¹² ohm-cm
Dielectric constant @ 1 MHz	13,1

CUSTOMIZATIONS:

Die cut	Water Jet Cut	Plotter Cut
		

Our customer are reminded that they bear the responsibility for testing Euro Technologies, Srl materials for their proposed use. Due to various application possibilities and conditions which are beyond our control, customers should carry out their own tests to determine the suitability for individual applications.

We reserve the right to change technical specifications without notice and take no responsibility for errors and misprints.

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