

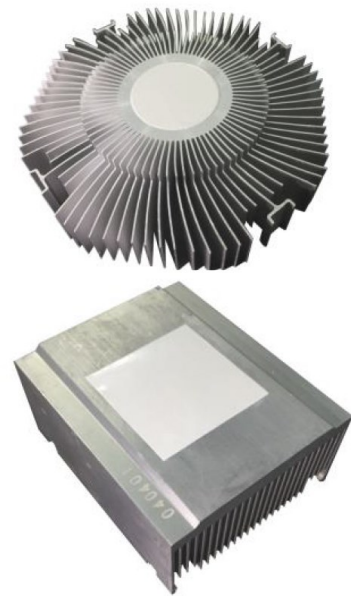
# P150-screenable

## HIGH THERMAL CONDUCTIVITY

P150-screenable is a silicone free, thermal phase change material which is designed to meet the thermal reliability and outgassing requirements of led lighting applications, while offering a low total cost of ownership.

P150-screenable is specially designed for use in various optical applications such as automotive headlamps, led lighting, cameras, lasers and sensors, but can also be used in other markets.

P150-screenable is a screen printable phase change material which quickly dries to the touch so that it can be pre-apply.



Properties	Unit	P150-screenable
Color		White
<b>Thermal Properties</b>		
Thermal conductivity through	W/mK	1.5
Operating temperature	°C	-40 to 125
Softening temperature	°C	45—60
Max continuous use temperature	°C	125

Ordering example:

### P150-screenable

**P = Phase Change / 150 = 1.5W/mK**

# P150-screenable

## HIGH THERMAL CONDUCTIVITY

### Features and benefits

- Silicone-free
- Low thermal resistance
- Cost Effective
- High thixotropic index
- Dry to the touch for pre-apply applications
- High thermal reliability, minimal pump out
- Re-flow compatible

### Markets and Applications

- LED lighting
- Automotive headlamps
- Microprocessors
- Chipsets
- Graphic Processing Chips
- Custom ASICs
- Optical applications (e.g, lasers)

Properties	Unit	P150-screenable
Color		White
Viscosity (Pa-s)		20
Specific Gravity - w/o solvent		3.2
Thermal Conductivity	W/mK	1.5
Thermal Resistance (ASTM D5470)	°C - in <sup>2</sup> /W @ 70°C	0.07 (@ 10 psi)
		0.049 (@ 20 psi)
		0.027 (@ 50 psi)
Softening Temperature	°C	45 - 60
Max Continuous use temp	°C	125
Operating temperature range	°C	- 40 to 125
UL Rating		94V0
Thixotropic index		> 3 (Rheometer)

The data presented in this leaflet are in accordance with the present state of our knowledge. All statements, technical information and recommendations herein are based on tests we believe to be reliable. The customer is thereby not absolved from carefully checking all supplies immediately on receipt. The recommendations made in this catalogue should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Before using, user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability whatsoever in connection there with. We reserve the right to alter product constants within the

scope of technical process or new developments. The recommendations do not absolve the customer from the obligation of investigating the possibility of infringement of third parties right and, if necessary, clarifying the position. Sellers' and manufacturer' only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable either in tort or contract for any loss or damage, direct or incidental, or consequential, including loss of profits or revenue arising out of the use or the inability to use a product. No statement, purchase order or recommendations by seller or purchaser not contained herein shall have any force or effect unless in an agreement signed by the officers of the seller