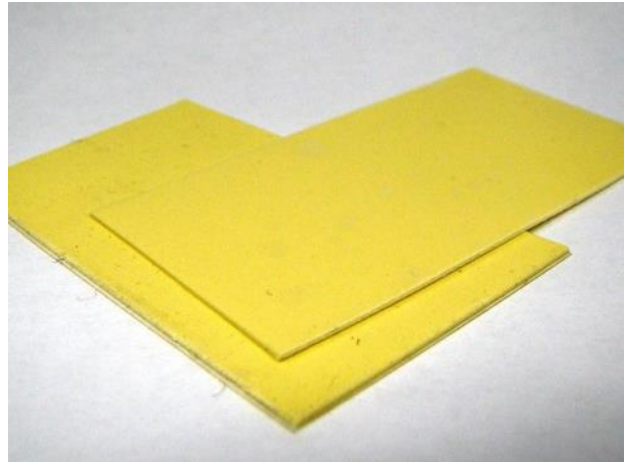


Phase change material is a wax-based thermal interface material. It has a softening temperature of 50 to 60°C.

The liquid phase of the material can fill interface irregularities with much higher efficiency than traditional gap fillers. Thus an optimal heat transfer resistance is ensured.

On the other hand phase change material is solid at room temperature and can be handled easily during assembly.

- Available in thicknesses from 0,2 to 0,5 mm
- Thermal conductivity: 1,6 W/m*K
- Available with or without PSA
- Low thermal resistance
- Good electrical isolation
- Easy to assemble
- Cost effective



RoHS



REACH



PRODUCT SPECIFICATIONS

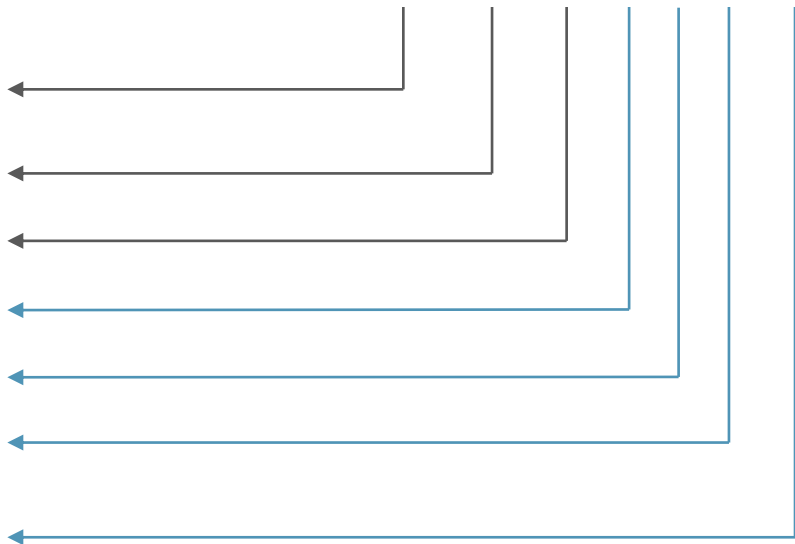
PROPERTY		VALUE / TOLERANCE	TEST METHOD
Thermal conductivity		1,6 W/m*K	ASTM E1530
Reinforcement		Polyimide	-
Thickness		0,2 – 0,5 mm ± 10%	-
Standard size	Width roll type	500 mm	-
	Width x length sheet type	200 x 300 mm 200 x 400 mm	
Hardness		90 Shore A	-
Volume resistivity		10 ¹² Ω-cm	ASTM D257
Specific gravity		1,8	ASTM D792
Dielectric breakdown voltage		5 kV/mm	ASTM D149
Tensile strength		14 N/mm ²	ASTM D882A
Elongation		30%	ASTM D882A
Continuous use temperature		150 °C	-
Phase change point		60 °C	-
Colour		Yellow	-

Please note: Picture only shows an example of a phase change material.

BUILDING AN ITEM NUMBER

TCPC-PI-1,6-LxWxT-XXX

Thermally Conductive Phase Change Material	
Polyimide film	
Thermal conductivity	
L	Length (mm)
W	Width (mm)
T	Thickness (mm)
DST	Die-cut parts
R	Roll type



Standard options

EXAMPLE

TCPC-PI-1,6-25x20x0,5-DST

Thermally conductive phase change material; with polyimide film; thermal conductivity: 1,6 W/m*K; size: 25x20 mm; thickness: 0,5 mm; die-cut parts

STRUCTURE

