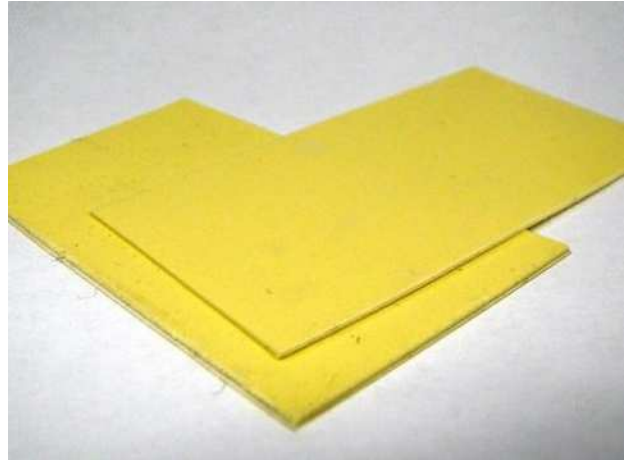


Phase change material is a wax-based thermal interface material. It has a softening temperature of 50 to 60°C.

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



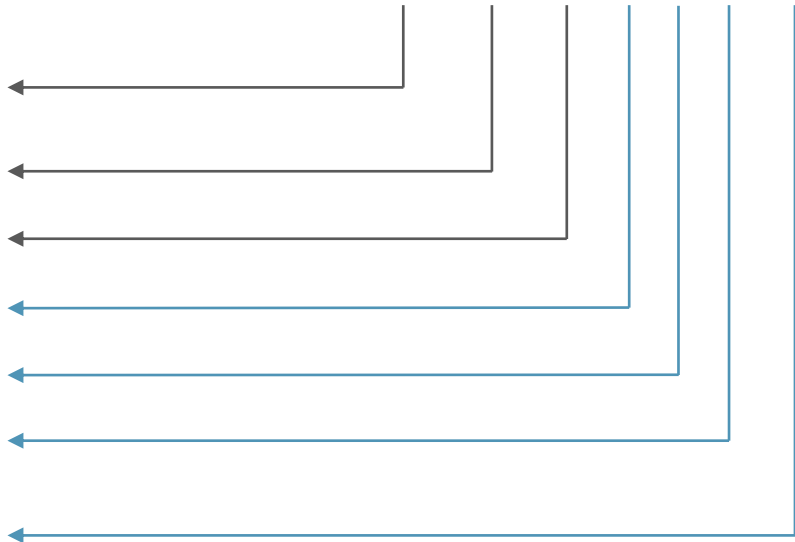
PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	1,6 W/m*K	ASTM E1530
ELECTRICAL		
Breakdown voltage	5 kV/mm	ASTM D149
Volume resistivity	10 ¹² Ω-cm	-
PHYSICAL		
Elongation	30%	ASTM D882A
Hardness	90 Shore A	-
Gravity	1,8 g/cm ³	ASTM D792
Thickness range	0,2 – 0,5 mm ± 10%	-
Phase change point	60 °C	-
Working temperature	150 °C	-
Standard size	Width roll type	500mm
	Width x length	200 x 300 mm
	sheet type	200 x 400 mm
Colour	Yellow	-
Reinforcement	Polyimide	-
Tensile strength	14 N/mm ²	ASTM D882A

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

