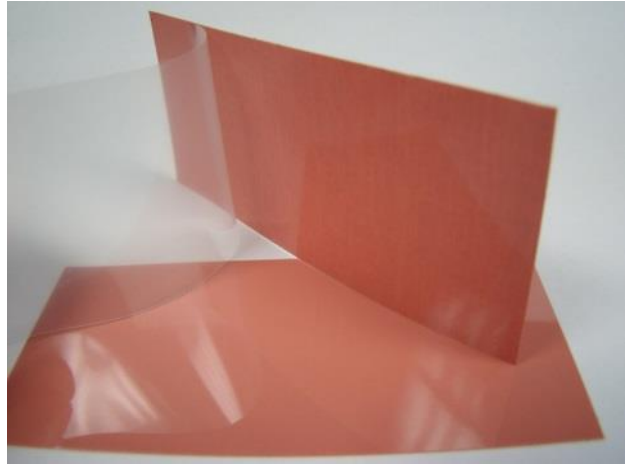


Thermally conductive adhesive tapes are used for bonding heatsinks or other cooling devices to the hot device.

The adhesive tapes are supplied as double sided adhesive film and are filled with ceramic particles.

Thermally conductive tapes eliminate the need for external clamps and curing.

- Thermal conductivity: 1,2 W/m*K
- Available in 400x300 mm standard sheet size, other dimensions and die-cut parts on request
- Available in thicknesses from 0,3 to 2,0 mm
- Double-sided, pressure sensitive adhesive
- Thermal conductivity in combination with electrical isolation
- High temperature stability



RoHS



REACH



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Thermal conductivity	1,2 W/m*K	ASTM D5470
Hardness	45 Shore A ± 10%	ASTM D2240
Material	Silicone-based polymer	
Filler	Ceramic powder	-
Adhesive Type	Acrylic Polymer	-
Surface adhesion	8,3 @ 23°, N/25mm	PSTC-7
Temperature range	-60 - 150 °C	-
Breakdown voltage	>5 kV/mm	ASTM D149
Thickness & carrier	12mil-80mil (1mil=0,0254mm)	-
	0,3mm – 2,0mm	
Density	2,5 g/cm ³	
Shelf life°	12 months	-

°From date of receipt by the customer when stored at 23°C / 60%rH

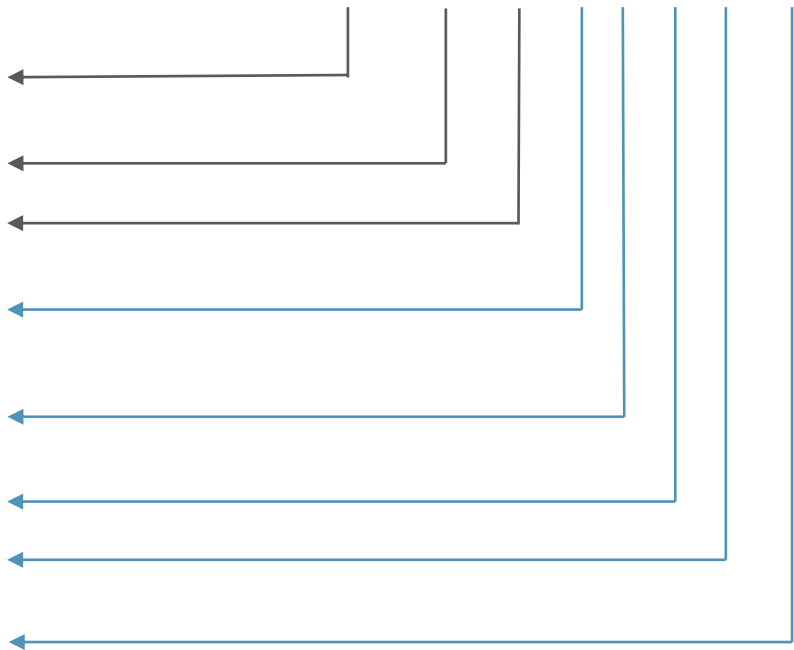
Please note: Picture only shows an example of a phase change material.

Modifications and errors excepted. The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verifications and testings to determine the suitability for their own particular purpose of any information or products referred to herein.

BUILDING AN ITEM NUMBER

TCAT-1,2 S45 X-LxWxT-XXX

Thermally Conductive Adhesive Tape	
Thermal conductivity	
Shore A hardness	
F	Fiberglass reinforced
X	Not reinforced
xxx	Length (in mm)
Rxx	On roll (in m)
xxx	Width (in mm)
xxx	Thickness (in mm)
DST	Die-cut parts
KCT	Kiss-cut parts



Standard options

EXAMPLE

TCAT-1,2 S45 F-27x25x0,3-DST

Thermally conductive adhesive tape; thermal conductivity: 1,0 W/m*K; hardness: 45 Shore A; fiberglass reinforced; size: 27x25 mm; thickness: 0,3 mm; die-cut

CONFIGURATIONS AVAILABLE

- Standard sheet size: 400x300 mm
- Customer-specific sheet sizes
- Die-cut parts
- KCT parts

THERMAL IMPEDANCE OF TCAT-1,2S45

