

ADHESIVE TAPE  
TCAT-SERIES 1,0 W/m\*K

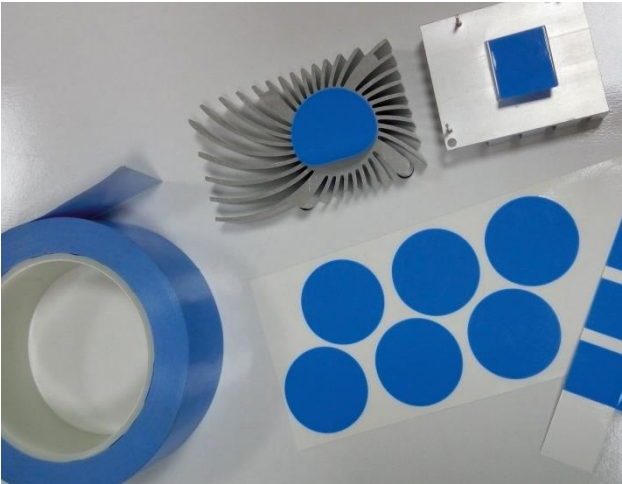


Thermally conductive adhesive tapes are used for bonding heatsinks or other cooling devices to the hot device.

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



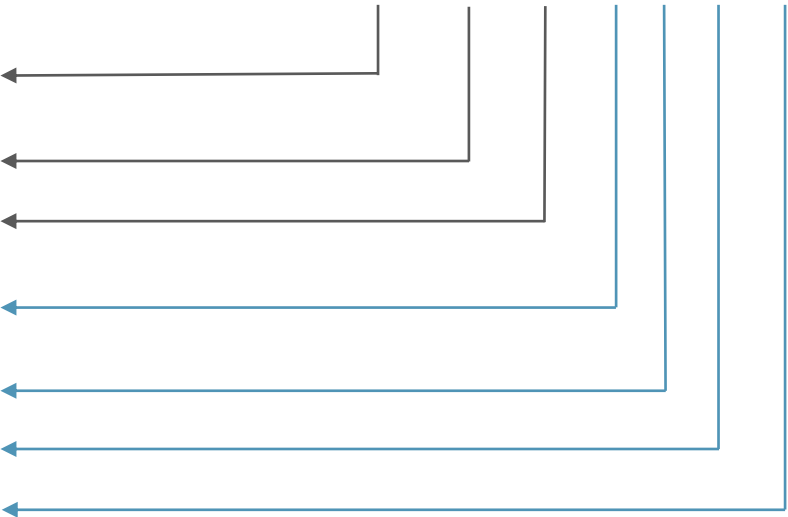
PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	1,0 W/m*K	ASTM D5470
ELECTRICAL		
Breakdown voltage V/mm	>8000	ASTM D149
PHYSICAL		
Adhesive type	Acrylic Polymer	-
Hardness	60 Shore 00	ASTM D2240
Gravity	2,5 g/cm³	-
Filler	Cermanic powder	-
Standard sheet size	400x300mm	-
Working temperature	-40 – 130 °C	-
Surface adhesion	9,7N/25mm	PSTC-1
Tensile strength	3 Mpa	ASTM D149
Fiberglass reinforcement	0,03/0,05/0,06mm thick: None 0,1/0,15/0,2/0,25/0,3/0,4/0,5mm thick: Fiber Glass	ASTM D3652
Shelf life °	12 months	-
Thickness range	0,1 – 2,0mm	-
Advised using pressure	20s/10Psi @ 25 °C 5s/10Psi @ 50 °C	-

BUILDING AN ITEM NUMBER

TCAT-1,0 S45-LxWxT-XXX

Thermally Conductive Adhesive Tape	
Thermal conductivity	
Shore A hardness	
xxx	Lenght (in mm)
Rxx	On roll (in m)
xxx	Width (in mm)
xxx	Thickness (in mm)
DST	Die-cut parts



Standard options

EXAMPLE

TCAT-1,0 S45-27x25x0,3-DST  
Thermally conductive adhesive tape; thermal conductivity: 1,0 W/m\*K; hardness: 45 Shore A; size: 27x25 mm; thickness: 0,3 mm; die-cut

CONFIGURATIONS AVAILABLE

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