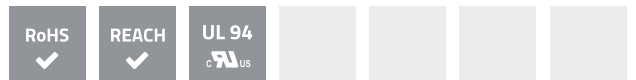
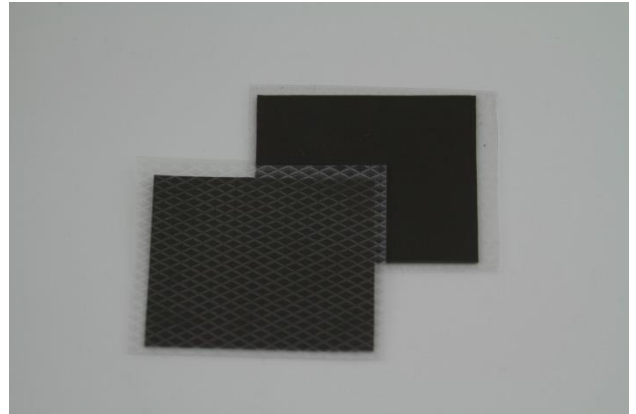


Thermally conductive insulators are characterized by a good heat conduction and an excellent dielectric strength. They also possess a good electrical isolation.

Insulators are especially suitable for applications where low mounting pressure is required, e. g. for component clamping.

The smooth and compliant surface of insulators can minimize the thermal resistance and thus maximize the thermal performance.

- Thermal conductivity: 5,0 W/m*K
- Available in thicknesses from 0,4 to 10,0 mm
- Low thermal resistance with high voltage isolation
- Good electrical isolating
- Easy to assemble
- Cost effective



PRODUCT SPECIFICATIONS

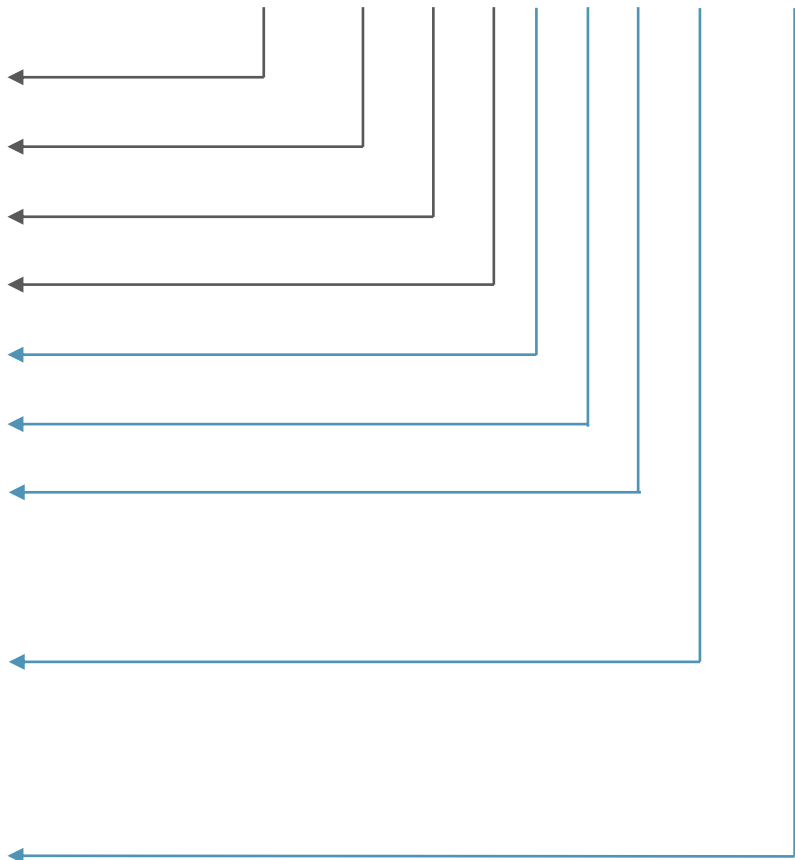
PROPERTY	VALUE / TOLERANCE	TEST METHOD
Base material	Filled silicone elastomer	-
Thermal conductivity	5,0 W/m*K	ASTM D5470
Thickness range (T)	0,4 – 10,0 mm ± 10%	ASTM D374
Standard sheet size	400 x 300 mm	-
Reinforced carrier	Fiberglass	-
Hardness	45 Shore 00 ± 10	ASTM D2240
Density	3,1 g/cm ³	-
Dielectric constant	12,6	ASTM D150
Volume resistivity	10 ¹³ Ω*cm	ASTM D257
Dielectric strength	>10 kV/mm	ASTM D149
Tensile strength	44 MPa	ASTM D412
Temperature range	-40 – 200 °C	-
Flammability rating	V-0	UL94
Total mass loss (TML)	< 0,5% @ 24 h / 125°C vakuum	ASTM E595-15

Please note: Picture only shows an example of an insulator.

BUILDING AN ITEM NUMBER

TCIN-5,0 S45 F-LxWxT-XXX-YYY

Thermally Conductive Insulator	
Thermal conductivity	
Shore 00 hardness	
Fiberglass reinforced	
xxx	Length (mm)
xxx	Width (mm)
xxx	Thickness (mm)
BNT	Both sides non-tacky
SAN	One side adhesive, one side non-tacky
BSA	Both sides adhesive
SST	One side tacky, one side non-tacky
DST	Die-cut parts
KCT	Kiss-cut parts



Standard options

EXAMPLE

TCIN-5,0 S45 F-35x17x0,5-SAN-DST

Thermally conductive insulator; thermal conductivity: 5,0 W/m*K; hardness: 45 Shore 00; fiberglass reinforced; size: 35x17 mm; thickness: 0,5 mm; one side adhesive, one side non-tacky; die-cut