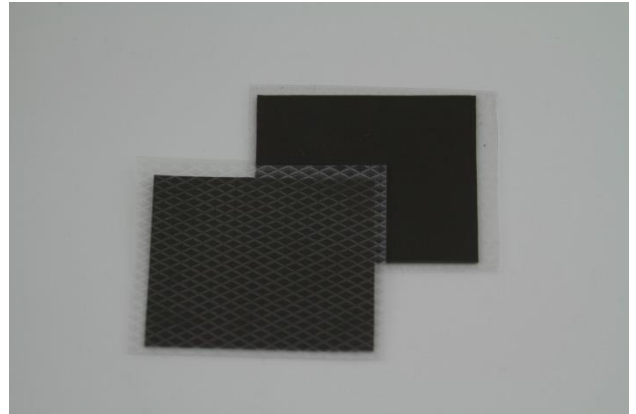


Thermally conductive insulators are characterized by a good heat conduction and an excellent dielectric strength. They also possess a good electrical isolation.

This type of insulator is a silicone based thermal material coated on polyester film.

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

- Thermal conductivity: 1,3 W/m\*K
- Available in thicknesses: 0,2 mm
- Low thermal resistance
- Good electrical isolating
- Easy to assemble
- Cost effective



### PRODUCT SPECIFICATIONS

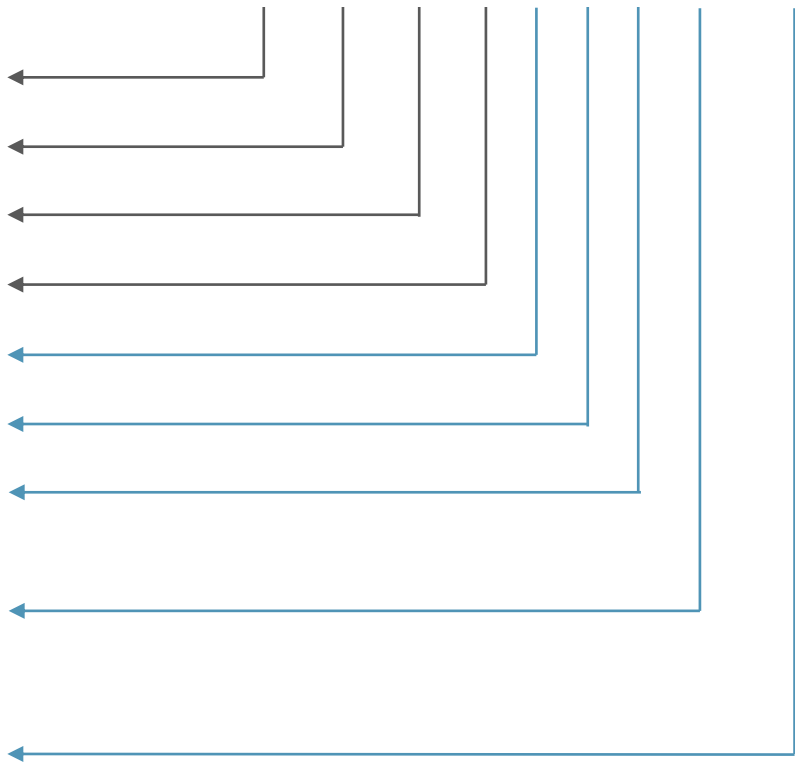
PROPERTY	VALUE / TOLERANCE	TEST METHOD
Base material	Silicone coating on polyester film	-
Thermal conductivity	1,3 W/m*K	ASTM D5470
Thickness (T)	0,2 mm ± 10%	ASTM D374
Standard sheet size	400x300 mm	-
Hardness	80 ShoreA	ASTM D2240
Temperature range	-40 to 180 °C	-
Breakdown voltage	5.000 V	ASTM D149
Tensile strength	27,6 MPa	ASTM D412
Dielectric strength	>5 kV/mm	-
Volume resistivity	10 <sup>12</sup> Ω*cm	ASTM D257
Density	2,5 g/cm <sup>3</sup>	-
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-1,3 S80 PE-LxWxT-XXX-YYY

Thermally Conductive Insulator	
Thermal conductivity	
Shore A hardness	
Polyester film	
xxx	Length (mm)
xxx	Width (mm)
xxx	Thickness (mm)
BNT	Both sides non-tacky
SST	One side tacky (with adhesion) - one side non-tacky
DST	Die-cut parts
KCT	Kiss-cut parts



**Standard options**

**EXAMPLE**

**TCIN-1,3 S80 PE-35x17x0,3-BNT-DST**

Thermally conductive insulator; thermal conductivity: 1,3 W/m\*K; hardness: 80 Shore A; polyester film; size: 35x17 mm; thickness: 0,3 mm; both sides non-tacky; die-cut