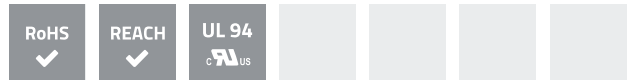
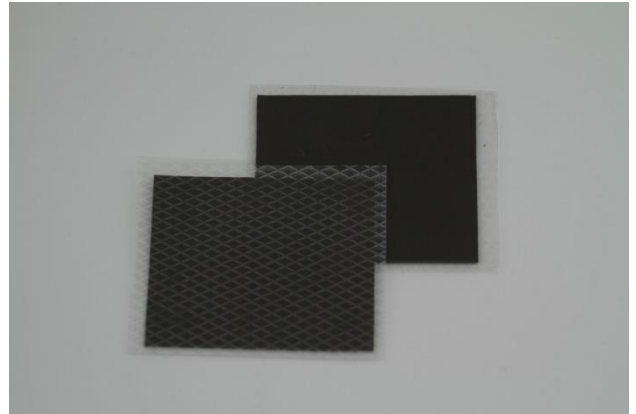


Thermally conductive insulators are characterized by a good heat conduction and an excellent dielectric strength. They also possess a good electrical isolation.

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: 3,6 W/m\*K
- Available in thicknesses from 0,3 to 10,0 mm
- Low thermal resistance with high voltage isolation
- Good electrical isolating
- Easy to assemble
- Cost effective



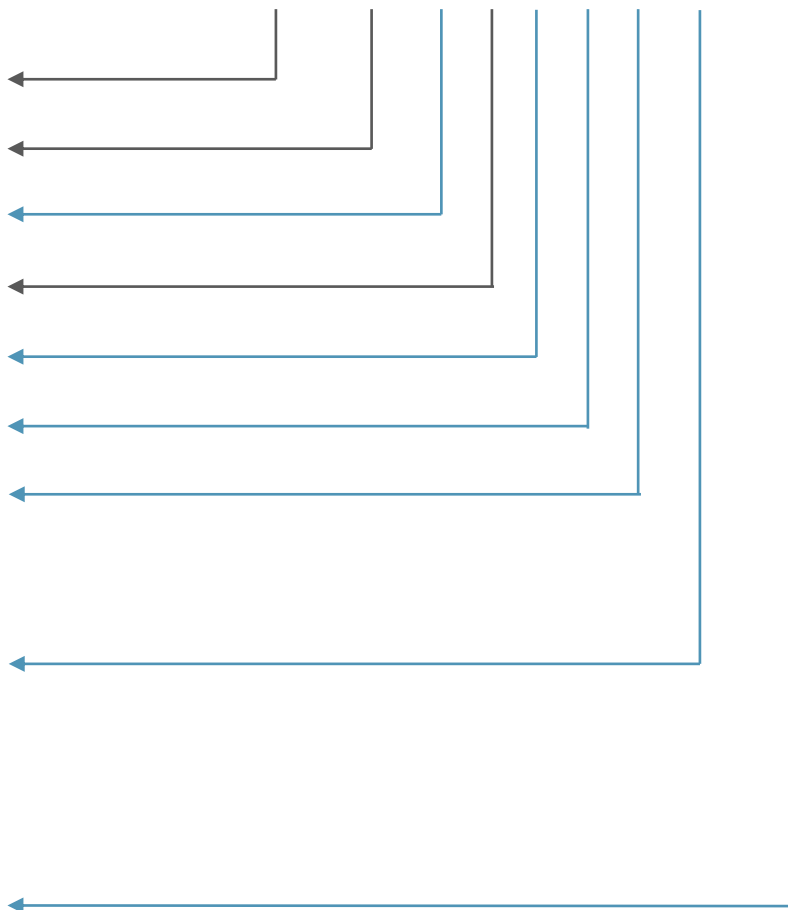
### PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
<b>THERMAL</b>		
Thermal conductivity	3,6 W/m*K	ASTM D5470
<b>ELECTRICAL</b>		
Breakdown voltage V/mm	>8000	ASTM D149
Volume resistivity	2,99*10 <sup>13</sup> Ω*cm	ASTM D257
Dialectric constant	12,6MHz	ASTM D150
<b>PHYSICAL</b>		
Base material	Filled silicone elastomer	-
Hardness (with FG)	10-30 Shore 00	ASTM D2240
Hardness (without FG)	40~70 Shore 00	ASTM D2240
Gravity	3,1 g/cm <sup>3</sup>	
Thickness range	0,3 – 10,00mm ± 10%	ASTM D374
Standard sheet size	300x400mm	caliper
Working temperature	-40 – 200 °C	-
Flammability rating	V-0	UL 94 E360243
Total mass loss TML	< 0,5% @ 24 h / 125°C vakuum	ASTM E595-15
Reinforced carrier	Fibreglass	-
Tensile strength	32Psi	ASTM D412

**BUILDING AN ITEM NUMBER**

TCIN-3,6 Sxx F-LxWxT-XXX-YYY

Thermally Conductive Insulator	
Thermal conductivity	
xxx	Hardness (Shore 00)
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
BST	Both side tacky
DST	Die-cut parts
KCT	Kiss-cut parts



**Standard options**

**EXAMPLE**

**TCIN-3,6 S50 F-35x17x0,5-SAN-DST**

Thermally conductive insulator; thermal conductivity: 3,6 W/m\*K; hardness: 50 Shore 00; fiberglass reinforced; size: 35x17 mm; thickness: 0,5 mm; one side adhesive, one side non-tacky; die-cut