# INSULATORS TCIN-SERIES 1,3 W/m\*K

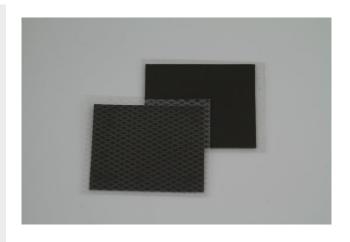


Thermally conductive insulators are characterized by a good heat conduction and an excellent dielectric strength. They also possess a good electrical isolation.

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













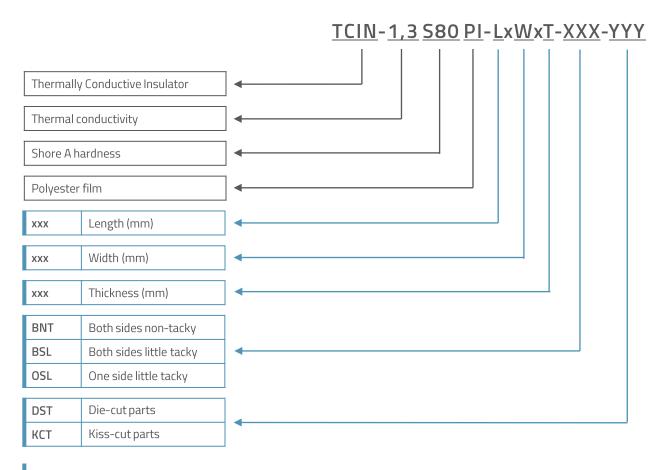
# **PRODUCT SPECIFICATIONS**

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/cm³	-
Flammability rating	V-O	UL94

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



# **BUILDING AN ITEM NUMBER**



## Standard options

### **EXAMPLE**

### TCIN-1,3 S80 PI-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

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.

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