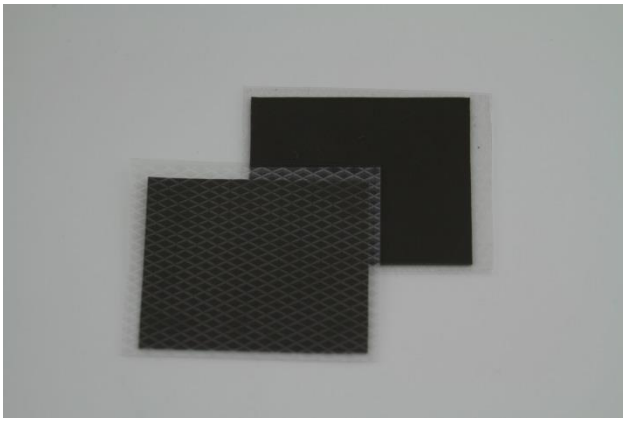
INSULATORS
TCIN-SERIES 1,3 W/m*K

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



RoHS ✓ REACH ✓ UL 94

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^{12} Ω*cm	ASTM D257
Density	2,5 g/cm³	-
Flammability rating	V-0	UL94

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

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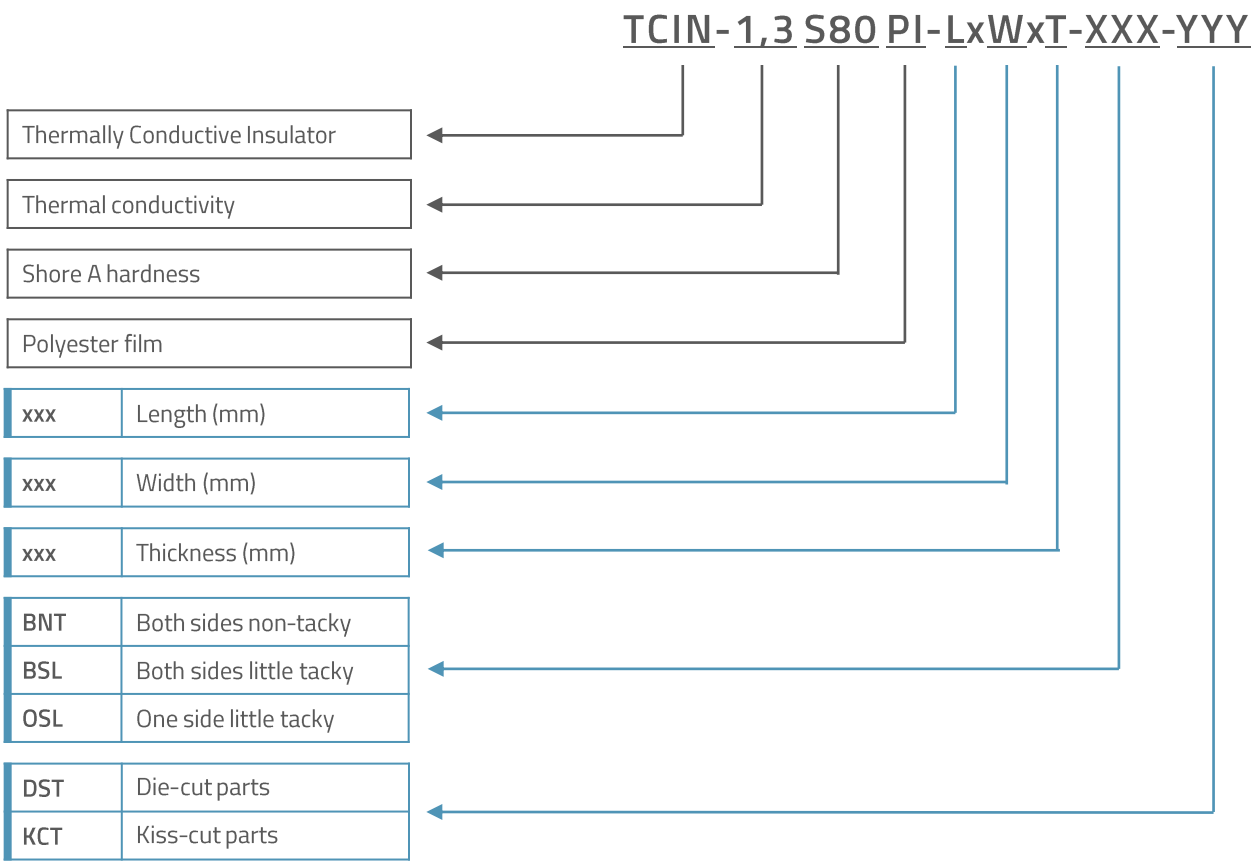
BUILDING AN ITEM NUMBER



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