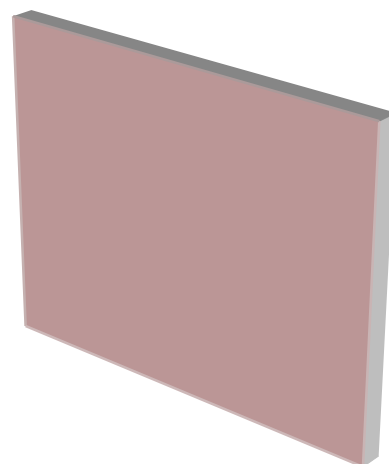


TM-KCP1 Thermal Conductive Silicone Pad Coated with Fiberglass

TM-KCP1 thermal conductive silicone pad coated with fibreglass reinforced product with a high shear strength, which consisted by the low modulus polymer attached to the glass fiber substrate, so the product can be used as a filler between the machine's contact interface.



Properties

- Low hardness with ultra-conforming
- Enhanced shear strength, piercing and tearing resistance
- Electrically isolating
- Meet with the environmental requirements of ROHS and UL

Availability

- Sheet of 200 x 400 mm
- Die cut parts
- Kiss cut parts on sheet

Application Examples

- Communications industry AC/DC power
- Power conversion equipment
- The framework, chassis or other area need to transfer heat
- HID ballast
- Auto control unit (ECU)
- Uninterruptible power supply (UPS)



Technical Data

PART	TEST METHOD	TM-KCP1-XXX
Colour	Visual	Grey + Pink / Grey + Grey
Thickness [mm]	ASTM D374	0,5 to 13,0
Specific gravity [g/cc]	ASTM D792	1,6 to 1,9
Hardness [Shore 00]	ASTM D2240	30
Tensile Strength [kg/cm ³] [Pa]	ASTM D412 ASTM D412	8 5,88 * 10 ⁹
Continuous Use Temp. [°C]	EN344	-40 to +220
Volume Resistivity [Ω-CM]	ASTM D257	1,0 * 10 ¹¹
Breakdown Voltage [KV/mm]	ASTM D149	6
Flame Rating	UL-94	V0
Conductivity [w/m-k]	ASTM D5470	1,0

Create the Part Number

In order to select the right thickness it is necessary to insert 3 numbers as follows:

TM-KPC1-050 for 0.50 mm thickness
TM-KPC1-100 for 1.00 mm thickness
TM-KPC1-200 for 2.00 mm thickness
TM-KPC1-300 for 3.00 mm thickness
TM-KPC1-400 for 4.00 mm thickness
TM-KPC1-500 for 5.00 mm thickness

Upon request it is possible to have also the intermediate thicknesses (1.5 mm, 2.5 mm, 3.5 mm, 4.5 mm)