

FACT SHEET

ICT-M



Der ICT-M-Typ verbindet gute thermische mit sehr guten mechanische und elektrischen Eigenschaften.



3 FOILS, FILMS, FIBREGLASS POLYIMIDE (REINFORCED)

DESCRIPTION

ICT-M is a glass fiber-reinforced, silicone-based, electrically insulating film filled with thermally conductive ceramic and has very good foldability, tear resistance and mechanical resistance.

This combination of thermal and very good mechanical and electrical properties makes the material so interesting for a very wide range of standard applications.

The ICT-M series has a very good surface quality and adapts very well to the contact surfaces, which minimizes the thermal contact - and therefore the overall thermal transfer resistance.

As with the ICT-BFG-A, ICT-BFG, ICT-BS and the -BR, the ICT-M20 type also has a very long service life and the associated high reliability, which is why this product group is often used in very complex applications.

For example, for connecting IGBT housings / microprocessors and for cooling ventilation systems, electrical controls, drive trains (gearboxes), etc.

TYPICAL PROPERTIES

Operating temperature	from -60 to 180 °C
Thermally conductive	Yes
Thermal conductivity	1.4 W/m*K
Thermal resistance (TO-3P / ca. 360mm²)	1.27 °C/W
Thermal resistance (inch² / 645,16mm²)	0.64 K/W
Density	2.5 g/cm ³
Entflammbarkeit nach UL 94	
Color	Yellow
Material	Silicone with glass fiber Aufbau
Dielectric strength	5.5 kV (AC)

FEATURES

- › Good thermal conductivity 1.4 W/m*K
- › Minimum thermal resistance 0.64 C°/W (0.30 mm)
- › Adaptable material surface, adapts well and helps to minimize Rth contact
- › Very high dielectric strength 5.5 KV/AC (0.30 mm) to >10 KV /AC (0.80 mm)
- › Mechanical stability due to glass fiber reinforcement
- › Can be bent (folded) (1.20 mm)
- › No residue after removal (maintenance, inspection)

DELIVERY FORMS / APPLICATIONS

- In Form von Sheets und Matten 440 mm x 510 mm
- Kundenabmessungsspezifische Sonderformen / Zuschnitte Lose
- Kundenspezifische Sonderformen| andere Lieferformate nach Absprache möglich

ICT4TIM Partners



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