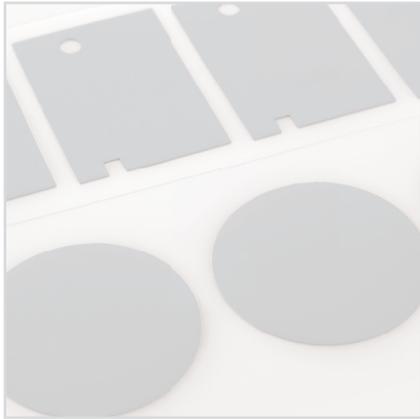


MT 15

Keratherm silicone free MT-Films



Thermoplastic elastomer tape with very good insulating behaviour and excellent mechanical and good thermal characteristics.

MT 15

- high electrical isolation
- high mechanical strength

✓ Delivery form:

- reel material, with 220 mm
- strips possible
- bulk goods, without adhesive coating
- reel material, with adhesive coating, **MT 15 K**

Applications

- automotives
- high voltage technology
- power converters (AC-DC, DC-DC)

Properties	Unit	MT 15 NEW
Colour		white
Thermal Properties		
Thermal resistance R_{th}	K/W	< 0.39
Thermal impedance $R_{\theta i}$	°Cmm ² /W	-
	Kin ² /W	-
Thermal conductivity λ	W/mK	> 0.8
Electrical Properties		
Breakdown voltage $U_{d, ac}$	kV	> 10
Dielectric breakdown $E_{d, ac}$	kV/mm	> 80
Volume resistivity	Ω m	-
Dielectric loss factor $\tan \delta$	1	-
Dielectric constant ϵ_r	1	-
Mechanical Properties		
Measured thickness (+/-10%)	mm	0.125
Hardness	Shore A	80 - 95
Tensile strength	N/mm ²	> 30
Elongation	%	> 3
Physical Properties		
Application temperature	°C	-40 to +125
Density	g/cm ³	1.3
Flame rating	UL-94	V-0**
Possible thickness ¹	mm	0.125

**Kerapfol test according to UL

Benefits

- alternative to Kapton®, PEEK, isolation paper
- high thermal conductivity in comparison to Kapton®, PEEK, isolation paper
- very high electric isolation
- the foil can be folded (radius1)
- it can be laminated
- optional available with a single-sided adhesive coating
- flame rating UL-94 VO according to internal Kerapfol examination according to UL
- RoHS conform
- high tensile strength

Important notes

The data presented in this leaflet are in accordance with the present state of our knowledge. All statements, technical information and recommendations herein are based on tests we believe to be reliable. The customer is thereby not absolved from carefully checking all supplies immediately on receipt. The recommendations made in this catalogue should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Before using, user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability whatsoever in connection there with. We reserve the right to alter product constants within the scope of technical process or new developments. The recommendations do not absolve the customer from the obligation of investigating the possibility of infringement of third parties right and, if necessary, clarifying the position. Sellers' and manufacturer' only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable either in tort or contract for any loss or damage, direct or incidental, or consequential, including loss of profits or revenue arising out of the use or the inability to use a product. No statement, purchase order or recommendations by seller or purchaser not contained herein shall have any force or effect unless in an agreement signed by the officers of the seller and manufacturer.

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