

## Keratherm® - MT-Films MT 102, MT 103

**NEW**

Thermoplastic elastomer tape with very good isolating behaviour and excellent mechanical properties with at the same time good thermal characteristics.



Properties	Unit	MT 102	MT 103
Colour		blue	red
<b>Thermal properties</b>			
Thermal resistance $R_{th}$	K/W	0.50	0.31
Thermal impedance $R_{ti}$	$^{\circ}\text{Cmm}^2/\text{W}$	200	124
	$\text{Kin}^2/\text{W}$	0.28	0.17
Thermal conductivity	W/mK	1.1	1.8
<b>Electrical properties</b>			
Breakdown voltage $U_{d,ac}$	KV	10	10
Volume resistivity	m	$2.2 \times 10^{10}$	$4.7 \times 10^{10}$
Dielectric loss factor $\tan \delta$ (1kHz)	1	$1.0 \times 10^{-3}$	$1.0 \times 10^{-3}$
Dielectric constant $\epsilon_r$ (1kHz)	1	2.68	2.61
<b>Mechanical properties</b>			
Thickness (+/-10%)	mm	0.225	0.225
Hardness	Shore A	70	60
Tensile strength	N/mm <sup>2</sup>	2	2
Elongation	%	> 1000	> 200
<b>Physical properties</b>			
Application temperature	$^{\circ}\text{C}$	-40 to +125	-40 to +125
Flameclass	UL	94V-0	94V-0

**Different thicknesses available on request!**

### Advantages:

- very good mechanical properties
- very good insulating properties
- silicone free

### Delivery forms:

- 1) bulk good
- 2) optional with single sided adhesive coating
- 3) already punched geometries

### Compressibilities of Keratherm® MT-Film

