



MT 320 & MT 103

KERATHERM® thermal conductive injection moulding compound



Benefits

- ◆ Available in soft and slightly harder variant
- ◆ Almost every 3D geometry possible
- ◆ Good thermal conductivity and high level of electrical isolating

Properties	Unit	MT 320	MT 103
Colour		grey	red
Thermal Properties*			
Thermal resistance R_{th}	K/W	0.63	0.5
Thermal conductivity λ	W/mK	2.0	2.5
Electrical Properties**			
Dielectric breakdown voltage $U_{d,ac}$	kV	3.0	> 16
Hardness	Shore A	15 - 30	70 - 80
Tensile strength	N/mm ²	0.2	2.0
Application temperature	°C	-40 to +125	-40 to +125
Glass transition temperature	°C	-59	-57
Density	g/cm ³	1.91	1.88
Flame rating	UL-94		V-0
MFI	g/10min	10-20 170°C / 2,16kg	4-10 230°C / 12,16kg

* Measured @ thickness 0.5 mm

**Measured @ thickness 1.0 mm

Data for engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

NOTE:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. KERAFOL® is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. All specifications are subject to change without notice. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded. In case KERAFOL® would be nevertheless held liable, on whatever legal ground, KERAFOL®'s liability will in no event exceed the amount of the concerned delivery. All KERAFOL® products are sold pursuant to the KERAFOL®'s Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.

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