

## Technical Data Sheet

# Glastherm<sup>®</sup> HT 500

### Typical industries

- Chemical Processing Industry
- Mechanical Engineering Industry
- Pipelines
- Oil and Gas
- Semiconductor High and low temperature

	Test method	Unit	Guideline value
<b>Mechanical properties</b>			
Density	ISO 1183	g / cm <sup>3</sup>	2,15
Flexural strength <sup>⊥</sup>	ISO 178	MPa	165
Compressive strength <sup>1) ⊥</sup>	ISO 604	MPa	400
Compressive strength <sup>1) ⊥ +200°C</sup>	ISO 604	MPa	250
Tensile strength II	ISO 527	MPa	150
<b>Thermal properties</b>			
Flammability	UL 94	/	V0
Thermal conductivity <sup>2) ⊥</sup>		W / (m * K)	≈ 0,25
Coefficient of linear expansion II	TMA (Mettler)	10 <sup>-6</sup> x K <sup>-1</sup>	≈ 10
Max. continuous operating temperature		°C	500
<b>Physical properties</b>			
Water absorption (method 1)	ISO 62	%	1

⊥ = perpendicular to the lamination II = parallel to the lamination

<sup>1)</sup> Sample size: 20 x 20 x 10 mm

<sup>2)</sup> Thermal conductivity calculated by means of reference measurements on samples of 300 x 200 x 10 mm

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