

## **Technical Data Sheet**

# Glastherm® HT 250 M

## **Typical characteristics**

- Material compuesto reforzado con fibra desarrollado para aplicaciones en el campo del aislamiento térmico (temperatura máxima de funcionamiento continuo 250°C)
- Baja conductividad térmica
- High compressive strength

### **Typical industries**

- Construcción de contenedores químico
- Construcción de máquinas e instalaciones
- Oleoductos
- Petróleo y gas

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g/cm <sup>3</sup>	2,0
Flexural strength <sup>1</sup>	ISO 178	MPa	300
Modulus of elasticity in flexion <sup>1</sup>	ISO 178	MPa	22000
Compressive strength <sup>1) <math>\perp</math></sup>	ISO 604	MPa	600
Compressive strength <sup>1) \( \Delta\)</sup> +200°C	ISO 604	MPa	445
Tensile strength II	ISO 527	MPa	250
Impact strength <sup>1</sup> (Charpy)	ISO 179	kJ / m <sup>2</sup>	150
Splitting force II	DIN 53463	N	5000
Thermal properties			
Thermal conductivity <sup>2) ⊥</sup>		W / (m * K)	≈ 0,23
Coefficient of linear expansion II	TMA (Mettler)	10 <sup>-6</sup> x K <sup>-1</sup>	10 - 15
Max. continuous operating temperature		°C	250
Physical properties			
Water absorption (4mm thickness)	ISO 62	%	0,15

<sup>=</sup> perpendicular to the lamination II = parallel to the lamination

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Print: 23/11/2024 • Release: 20/09/2023

PIM-Version: 576 • PIM-ID: 716640 • PIM-Code: 576-46-11.12.3-7.5.5.5-16



 $<sup>^{\</sup>mathrm{1})}$  Sample size: 20 x 20 x 20 mm

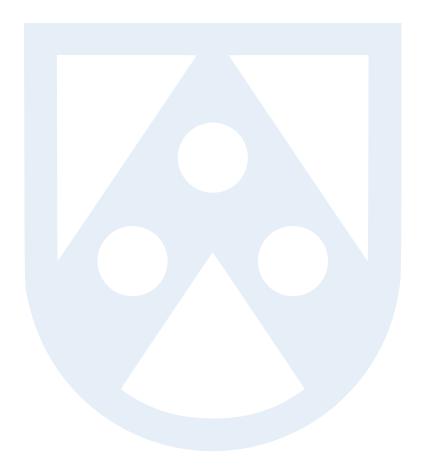
 $<sup>^{2)}</sup>$  Thermal conductivity calculated by means of reference measurements on samples of 300 x 200 x 10 mm

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical





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