

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 ³	2,0
Flexural strength [⊥]	ISO 178	MPa	300
Modulus of elasticity in flexion [⊥]	ISO 178	MPa	22000
Compressive strength ^{1) ⊥}	ISO 604	MPa	600
Compressive strength ^{1) ⊥ +200°C}	ISO 604	MPa	445
Tensile strength II	ISO 527	MPa	250
Impact strength [⊥] (Charpy)	ISO 179	kJ / m ²	150
Splitting force II	DIN 53463	N	5000
Thermal properties			
Thermal conductivity ^{2) ⊥}		W / (m * K)	≈ 0,23
Coefficient of linear expansion II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	10 - 15
Max. continuous operating temperature		°C	250
Physical properties			
Water absorption (4mm thickness)	ISO 62	%	0,15

= perpendicular to the lamination II = parallel to the lamination

¹⁾ Sample size: 20 x 20 x 20 mm

²⁾ 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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