

Technical Data Sheet

Glastherm[®] HT 500

Typical industries

- Construcción de contenedores químico
- Construcción de máquinas e instalaciones
- Oleoductos
- Petróleo y gas
- Semiconductor High and low temperature

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

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

¹⁾ Sample size: 20 x 20 x 10 mm

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

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