

Technický datový list

Glastherm® HT 500

Typické oblasti použití

- Výroba nádrží a zařízení pro chemický průmysl
- Stavba strojů a zařízení
- Potrubí
- Ropa a plyn
- Polovodiče – vysoké a nízké teploty

	Testovací metoda	Jednotka	Orientační hodnota
Mechanické vlastnosti			
Hustota	ISO 1183	g / cm ³	2,15
Pevnost v ohybu $\perp$	ISO 178	MPa	165
Pevnost v tlaku ¹⁾ $\perp$	ISO 604	MPa	400
Pevnost v tlaku ¹⁾ $\perp$ +200 °C	ISO 604	MPa	250
Pevnost v tahu II	ISO 527	MPa	150
Tepelné vlastnosti			
Hořlavost	UL 94	/	V0
Tepelná vodivost ²⁾ $\perp$		W / (m * K)	≈ 0,25
Součinitel lineární roztažnosti II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	≈ 10
Maximální trvalá provozní teplota		°C	500
Fyzikální vlastnosti			
Absorpce vody (metoda 1)	ISO 62	%	< 1

$\perp$ = 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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ri-inquiry@roechling.com • www.roechling.com/industrial/materials

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