

## Technical Data Sheet

# Glastherm<sup>®</sup> HT 220 - ASTM

### Typical characteristics

- Low thermal conductivity and extremely high heat resistance
- Fibre-reinforced composite material developed for applications in field of thermal insulation (max. continuous operating temperature 220°C)
- Reduces Heat Loss

### Typical industries

- Chemical Processing Industry
- Mechanical Engineering Industry
- Pipelines
- Oil and Gas

	Test method	Unit	Guideline value
<b>General properties</b>			
Standard Color			Light Beige
Maximum Service Temp.		°C	350
Continuous Use Temp.		°C	220
<b>Mechanical properties</b>			
Flexural Strength	ASTM D 790	psi	52,200
Compressive Strength @302°F / 150°C	ASTM D 695	psi	55,100
Compressive Strength @392°F / 200°C	ASTM D 695	psi	40,600
Compressive Strength @550°F / 288°C	ASTM D 695	psi	35,000
Compressive Strength @RT	ASTM D 695	psi	72,500
<b>Thermal properties</b>			
Coefficient of Thermal Expansion Across Thickness	ASTM D 696	(in./in.°C) x 10 <sup>-5</sup>	5.7
Coefficient of Thermal Expansion Across Surface	ASTM D 696	(in./in.°C) x 10 <sup>-5</sup>	1.3
Thermal Conductivity	ASTM C 177	BTUIn/HrFt <sup>2</sup> °F	1.75
<b>Physical properties</b>			
Density	ASTM D 792	lbs/ft <sup>3</sup>	115
Water Absorption	ASTM D 570	% by wt.	0.2
Thickness Tolerance		inches	+/-0.004

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