

### Technical Data Sheet

# Glastherm<sup>®</sup> HT 250 M - ASTM

GFK-UP

#### Typical characteristics

- Low thermal conductivity
- Heat resistant
- Fibre-reinforced composite material developed for applications in field of thermal insulation (max. continuous operating temperature 250°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			Brown
Maximum Service Temp.		°C	400
Continuous Use Temp.		°C	250
<b>Mechanical properties</b>			
Flexural Strength	ASTM D 790	psi	43,500
Compressive Strength @RT	ASTM D 695	psi	87,000
Compressive Strength @356°F / 180°C	ASTM D 695	psi	65,200
<b>Thermal properties</b>			
Coefficient of Thermal Expansion Across Thickness	ASTM D 696	(in./in.°C) x 10-5	11.6
Coefficient of Thermal Expansion Across Surface	ASTM D 696	(in./in.°C) x 10-5	1.3
Thermal Conductivity	ASTM C 177	BTUIn/HrFt <sup>2</sup> °F	1.54
<b>Physical properties</b>			
Density	ASTM D 792	lbs/ft <sup>3</sup>	125
Water Absorption	ASTM D 570	% by wt.	0.15
Thickness Tolerance		inches	+/-0.004
<b>Dielectrical properties</b>			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	300

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