

Technical Data Sheet

Glastherm[®] HT 250 HQ - 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
General properties			
Standard Color			Light Green
Maximum Service Temp.		°C	400
Continuous Use Temp.		°C	250
Mechanical properties			
Flexural Strength	ASTM D 790	psi	87,000
Compressive Strength @RT	ASTM D 695	psi	87,000
Compressive Strength @356°F / 180°C	ASTM D 695	psi	72,500
Thermal properties			
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 ² °F	1.54
Physical properties			
Density	ASTM D 792	lbs/ft ³	125
Water Absorption	ASTM D 570	% by wt.	<0.10
Thickness Tolerance		inches	+/-0.004
Dielectrical properties			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	300

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