

Technical Data Sheet

Glastherm[®] HT 200 - ASTM

GFK-UP

Typical characteristics

- Fibre-reinforced composite material developed for applications in field of thermal insulation (max. continuous operating temperature 200°C)
- Reduces Heat Loss
- Low thermal conductivity
- Heat resistant

Typical industries

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

	Test method	Unit	Guideline value
General properties			
Part Number			3913 / 3915
Standard Color			White or Green
Maximum Service Temp.		°C	288
Continuous Use Temp.		°C	200
Mechanical properties			
Flexural Strength	ASTM D 790	psi	31,000
Compressive Strength @75°F / 24°C	ASTM D 695	psi	49,000
Compressive Strength @302°F / 150°C	ASTM D 695	psi	27,000
Compressive Strength @392°F / 200°C	ASTM D 695	psi	18,000
Compressive Strength @550°F / 288°C	ASTM D 695	psi	17,000
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	8
Thermal properties			
Coefficient of Thermal Expansion Across Thickness	ASTM D 696	(in./in.°C) x 10-5	11.62
Coefficient of Thermal Expansion Across Surface	ASTM D 696	(in./in.°C) x 10-5	2.21
Thermal Conductivity	ASTM C 177		1.9
Flame resistance properties			
UL Subject 94	UL 94		HB
Physical properties			

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	Test method	Unit	Guideline value
Density	ASTM D 792	lbs/ft ³	123
Water Absorption	ASTM D 570	% by wt.	0.2
Thickness Tolerance		inches	+/-0.004
Dielectrical properties			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	50

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