

## 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

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Röchling Glastic Composites products described herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of

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