

## Technical Data Sheet

# Glastherm<sup>®</sup> HT 220 - 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 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 10-5	5.7
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	1.75
<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

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

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 29/04/2026 • Release: 11/10/2023 • Version: 1.0  
 PIM-ID: 715300 • PIM-Code: 54-26-12.11.11.10-9.5.5.5-6  
 Company-IDs: 23050

Page 1 / 2 (Dates in DD/MM/YYYY)



such use, and whether the use infringes any patents is the sole responsibility of the user. THERE IS NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Under no circumstances shall we be liable for incidental or consequential loss or damage. Glastic® is a registered trademark of Röchling Glastic Composites. UL® is a registered trademark of Underwriters Laboratories, Inc.



[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 29/04/2026 • Release: 11/10/2023 • Version: 1.0  
PIM-ID: 715300 • PIM-Code: 54-26-12.11.11.10-9.5.5.5-6  
Company-IDs: 23050

Page 2 / 2 (Dates in DD/MM/YYYY)

