

テクニカルデータシート

Glastherm[®] HT 220 - ASTM

製品の特徴

- 低い熱伝導率と極めて高い耐熱性
- 断熱用途に開発された繊維強化複合材料
- 熱損失を抑える

製品の用途例

- 化学産業
- 機械工学
- パイプライン
- 石油ガス

	試験法	単位	値
一般的物性			
Standard Color			Light Beige
最大使用温度		°C	350
連続使用温度		°C	220
機械的物性			
曲げ強度	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
熱的物性			
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
熱伝導率	ASTM C 177	BTUIn/HrFt ² °F	1.75
機械的特性			
密度	ASTM D 792	lbs/ft ³	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 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.

Röchling Industrial Cleveland, LP

4321 Glenridge Road • 44121 Cleveland/United States (US) • Tel. +1 216 486-0100
info@glastic.com • www.roechling.com/cleveland

Print: 27/07/2024 • Release: 11/10/2023 • Version: 1.0

PIM-Version: 48 • PIM-ID: 715300 • PIM-Code: 48-25-6.9.6-7.5.5.5-6

