

テクニカルデータシート

Glastherm[®] HT 250 M - 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 | | | Brown |
| 最大使用温度 | | °C | 400 |
| 連続使用温度 | | °C | 250 |
| 機械的物性 | | | |
| 曲げ強度 | 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 |
| 熱的物性 | | | |
| 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 |
| 熱伝導率 | ASTM C 177 | | 1.54 |
| 機械的特性 | | | |
| 密度 | ASTM D 792 | lbs/ft ³ | 125 |
| Water Absorption | ASTM D 570 | % by wt. | 0.15 |
| Thickness Tolerance | | inches | +/-0.004 |
| 電気的特性 | | | |
| 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 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: 47 • PIM-ID: 715302 • PIM-Code: 47-25-6.9.6-7.5.5.5-6

