

テクニカルデータシート

Glastherm[®] HT 200 - ASTM

製品の特徴

- 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
- 熱伝導率が低く、耐熱性が極めて高い

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			
Part Number			3913 / 3915
Standard Color			White or Green
最大使用温度		°C	288
連続使用温度		°C	200
機械的物性			
曲げ強度	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
熱的物性			
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
熱伝導率	ASTM C 177		1.9
Flame resistance properties			
UL Subject 94	UL 94		HB
機械的特性			
密度	ASTM D 792	lbs/ft ³	123
Water Absorption	ASTM D 570	% by wt.	0.2

	試験法	単位	値
Thickness Tolerance		inches	+/-0.002
電気的特性			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	50

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