

## Technisches Datenblatt

# Glastherm<sup>®</sup> HT 250 M - ASTM

### Typische Eigenschaften

- Niedrige Wärmeleitfähigkeit und sehr hohe Temperaturbeständigkeit
- Faserverbundwerkstoff entwickelt für Anwendungen im Bereich der thermischen Isolierung (max. Dauereinsatztemperatur 250°C)
- Reduces Heat Loss

### Typische Industrien

- Chemischer Behälter- und Anlagenbau
- Maschinen- und Anlagenbau
- Pipelines
- Öl und Gas

	Testverfahren	Einheit	Wert
<b>Allgemeine Eigenschaften</b>			
Standard Color			Brown
Maximum Service Temp.		°C	400
Continuous Use Temp.		°C	250
<b>Mechanische Eigenschaften</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>Thermische Eigenschaften</b>			
Coefficient of Thermal Expansion Across Thickness	ASTM D 696	(in./in.°C) x 10 <sup>-5</sup>	11.6
Coefficient of Thermal Expansion Across Surface	ASTM D 696	(in./in.°C) x 10 <sup>-5</sup>	1.3
Wärmeleitfähigkeit	ASTM C 177		1.54
<b>Physikalische Eigenschaften</b>			
Dichte	ASTM D 792	lbs/ft <sup>3</sup>	125
Water Absorption	ASTM D 570	% by wt.	0.15
Thickness Tolerance		inches	+/-0.004
<b>Dielektrische Eigenschaften</b>			



	Testverfahren	Einheit	Wert
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	300

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