

Technisches Datenblatt

Glastherm[®] HT 220 - ASTM

Typische Eigenschaften

- Niedrige Wärmeleitfähigkeit und sehr hohe Temperaturbeständigkeit
- Faserverbundwerkstoff entwickelt für Anwendungen im Bereich der thermischen Isolierung (max. Dauereinsatztemperatur 220°C)
- Reduces Heat Loss

Typische Industrien

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

	Testverfahren	Einheit	Wert
Allgemeine Eigenschaften			
Standard Color			Light Beige
Maximum Service Temp.		°C	350
Continuous Use Temp.		°C	220
Mechanische Eigenschaften			
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
Thermische Eigenschaften			
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
Wärmeleitfähigkeit	ASTM C 177	BTUIn/HrFt ² °F	1.75
Physikalische Eigenschaften			
Dichte	ASTM D 792	lbs/ft ³	115
Water Absorption	ASTM D 570	% by wt.	0.2



	Testverfahren	Einheit	Wert
Thickness Tolerance		inches	+/-0.004

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Röchling Industrial Cleveland, LP

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

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