

## Technisches Datenblatt

# Glastherm<sup>®</sup> S

### Typische Eigenschaften

- Niedrige Wärmeleitfähigkeit und sehr hohe Temperaturbeständigkeit
- Reduces Heat Loss
- Fibre-reinforced composite material developed for applications in field of thermal insulation (max. continuous operating temperature 218°C)

### Typische Industrien

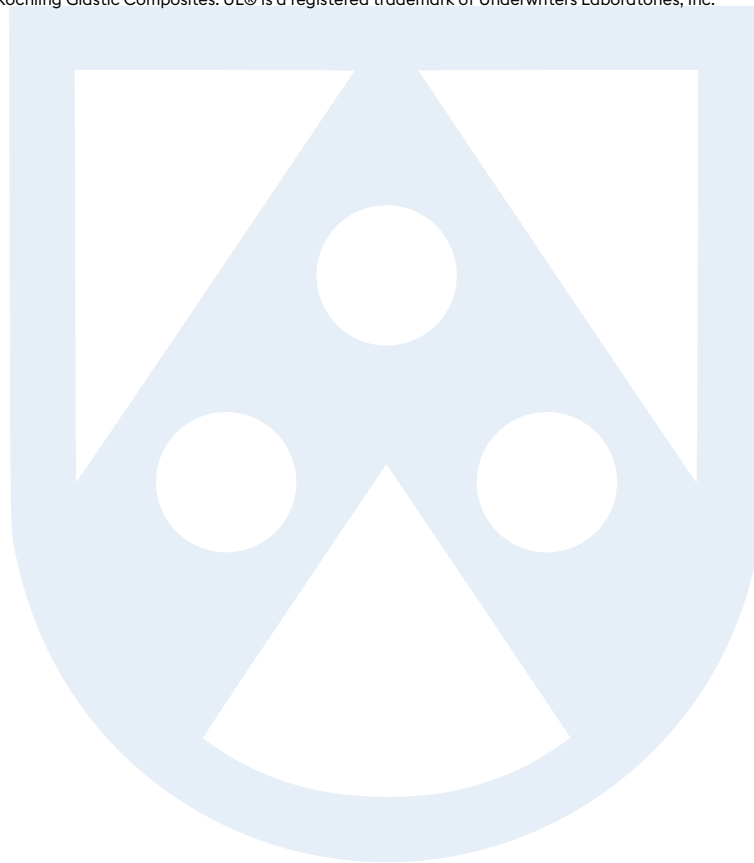
- Chemischer Behälter- und Anlagenbau
- Maschinen- und Anlagenbau
- Pipelines
- Öl und Gas

	Testverfahren	Einheit	Wert
<b>Allgemeine Eigenschaften</b>			
Standard Color			Tan
Maximum Service Temp.		°C	218
<b>Mechanische Eigenschaften</b>			
Flexural Strength	ASTM D 790	psi	18,000
Compressive Strength @75°F / 24°C	ASTM D 695	psi	45,000
Compressive Strength @302°F / 150°C	ASTM D 695	psi	16,000
Compressive Strength @392°F / 200°C	ASTM D 695	psi	11,500
Compressive Strength @550°F / 288°C	ASTM D 695	psi	10,000
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	8
<b>Thermische Eigenschaften</b>			
Coefficient of Thermal Expansion Across Thickness	ASTM D 696	(in./in.°C) x 10-5	7.02
Coefficient of Thermal Expansion Across Surface	ASTM D 696	(in./in.°C) x 10-5	1.10
Wärmeleitfähigkeit	ASTM C 177		1.8
<b>Flamm Eigenschaften</b>			
UL Subject 94	UL 94		HB
<b>Physikalische Eigenschaften</b>			
Dichte	ASTM D 792	lbs/ft <sup>3</sup>	115



	Testverfahren	Einheit	Wert
Water Absorption	ASTM D 570	% by wt.	0.4
Thickness Tolerance		inches	+/-0.002
<b>Dielektrische Eigenschaften</b>			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	50

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