

Glastherm® S

Thermoset Polyester

Glastic Corporation

Message:

GlasTherm Grade S is a general purpose insulation sheet with an economical combination of thermal and physical properties. Grade S is recommended for processes where the continuous operating temperature does not exceed 425°F. It is completely asbestos-free and rugged to withstand rough handling during installation. It is easily cut and machined with standard metal working equipment. Diamond cutting tools are recommended for long life.

General Information			
Features	Moisture resistance		
	Good compressive strength		
	Oil resistance		
	General		
Uses	Insulating material		
	Sheet		
	General		
Appearance	brownish yellow		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength (Yield)	124	MPa	ASTM D790
Compressive Modulus	12400	MPa	ASTM D695
Compressive Strength			ASTM D695
200°C	79.3	MPa	ASTM D695
150°C	110	MPa	ASTM D695
24°C	310	MPa	ASTM D695
288°C	68.9	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Linear thermal expansion coefficient			ASTM D696
Flow	1.1E-5	cm/cm/°C	ASTM D696
Lateral	7.0E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.69	W/m/K	ASTM C177

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹ (in Air)	2.0	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (23.9 mm)	HB		UL 94
Additional Information			
Maximum Service Temperature: 425°FThickness Tolerance: .002 inches			
NOTE			

1. Method A (short time)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

