

# Glastherm® HT

Thermoset Polyester

Glastic Corporation

Message:

GlasTherm Grade HT is a high compressive strength, heat-resistant composite material. Finished to a close thickness tolerance, it is ideal for insulation between the fold and the press or within the mold itself.

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		
	Heat resistance, high		
	Oil resistance		
Appearance	White		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.97	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength (Yield)	214	MPa	ASTM D790
Compressive Strength			ASTM D695
150°C	186	MPa	ASTM D695
24°C	338	MPa	ASTM D695
288°C	117	MPa	ASTM D695
200°C	124	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	2.2E-5	cm/cm/°C	ASTM D696
Lateral	1.2E-4	cm/cm/°C	ASTM D696
Thermal Conductivity	0.27	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>1</sup> (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: 550°FThickness Tolerance: .002 inches			
NOTE			

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#### 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

