



Glastherm® Grade HT220

- High Hot Compressive Strength
- Low Thermal Conductivity
- Oil and Moisture Resistant
- Reduces Heat Loss
- Helps Control Temperature
- Faster Mold Startup
- Rugged and Durable

Glastherm Grade HT220 is a thermal insulation sheet that is a highly heat-resistant material that combines low thermal conductivity with very high compressive strength at molding temperature. Finished to a close thickness tolerance, it is ideal for many of the more difficult molding applications.





Glastherm® Grade HT220

	Procedure	English Units	Typical Values	Metric Units	Typical Values
General Information					
Part Number					
Standard Color			Light Beige		Light Beige
Maximum Service Temp.		°F	608	°C	350
Continuous Use Temp.		°F	450	°C	220
Mechanical Properties					
Flexural Strength	ASTM D790	Psi	52,200	Mpa	360
Compressive Strength					
@68°F / 20°C	ASTM D695	Psi	72,500	Mpa	500
@302°F / 150°C	ASTM D695	Psi	55,100	Mpa	380
@392°F / 200°C	ASTM D695	Psi	40,600	Mpa	280
@550°F / 288°C	ASTM D695	Psi	35,000	Mpa	250
Compressive Modulus	ASTM D695	Psi	2,610,000	Mpa	18,000
Physical Properties					
Water Absorption	ASTM D570	% by wt.	0.2	% by wt.	0.2
Specific Gravity	ASTM D792	lbs/ft ³	115	g/cm ³	1.85
Thickness Tolerance		inches	±0.004	mm	±0.10
Coefficient of Thermal Expansion					
Across Thickness	ASTM D696	In/In/°Cx10 ⁻⁵	5.7	10 ⁻⁶ /K	5.7
Across Surface	ASTM D696	In/In/°Cx10 ⁻⁵	1.3		1.3
Thermal Conductivity	ASTM C177	BTU•In/Hr•Ft ² •°F	1.75	W/m•K	0.25

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