

Grade CH Insulation

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



Glastherm Grade CH

Glastherm Grade CH is a totally new thermal insulating sheet from Glastic. This highly heat-resistant composite material 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.



General Information	Procedure	English Units	Typical Values	Metric Units	Typical Values
Part Number			3921		3921
Standard Color			Purple		Purple
Continuous Use Temperature		° F	550	° C	285
Mechanical Properties					
Flexural Strength	ASTM D 790	Psi	55,000	Mpa	379
Compressive Strength	ASTM D 695				
@75° F/24° C		Psi	82,600	Mpa	570
@302° F/150° C		Psi	49,600	Mpa	342
@392° F/200° C		Psi	33,000	Mpa	228
@550° F/288° C		Psi	28,000	Mpa	193
Compressive Modulus	ASTM D 695	Psi	2,500,000	Mpa	17,237
IZOD Impact Strength (notched)	ASTM D 256	Ft.lb./in.	16	J/cm	8.5
Physical Properties					
Water Absorption	ASTM D 570	% by wt.	0.04	% by wt.	0.04
Density	ASTM D 792	lbs/ft ³	117	g/cm ³	1.87
Thickness Tolerance		inches	±0.002	mm	±0.05
CTE Across the Surface	ASTM D 696	in/in/° C	13.1•10 ⁻⁶	mm/mm/° C	13.1•10 ⁻⁶
Thermal Conductivity	ASTM C 177	BTU•in/Hr•Ft ² •° F	1.4	W/m•K	0.20
Sheet Size		in	39.4 x 78.7	m	1 x 2



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