Grade HT Insulation

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

Glastherm Grade HT

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.

GLASTHERM® THERMAL INSULATING MATERIALS

General Information	Procedure	English Units	Typical Values	Metric Units	Typical Values
Part Number			33913		33913
Standard Color			White		White
Maximum Service Temperature		˚F	550	˚C	288
Mechanical Properties					
Flexural Strength	ASTM D 790	Psi	31,000	Mpa	214
Compressive Strength		Psi			
@75˚ F/24˚ C	ASTM D 695	Psi	49,000	Mpa	338
@302˚ F/150˚ C	ASTM D 695	Psi	27,000	Mpa	186
@392˚ F/200˚ C	ASTM D 695	Psi	18,000	Mpa	124
@550˚ F/288˚ C	ASTM D 695	Psi	17,000	Mpa	117
Compressive Modulus	ASTM D 695	Psi	1,800,000	Mpa	12,411
IZOD Impact Strength (notched)	ASTM D 256	Ft.lb./in.	8	J/cm	4.3
Electrical Properties					
Electric Strength-Perpendicular S/T in Air	ASTM D 149	Vpm	50	kV/mm	2
Flame and Smoke Characteristics					
UL Subject 94	UL 94	0.94 in.	HB	2.4mm	HB
Physical Properties					
Water Absorption	ASTM D 570	% by wt.	0.2	% by wt.	0.2
Density	ASTM D 792	lbs/ft^3	123	g/cm^3	1.97
Thickness Tolerance		inches	±0.002	mm	±0.05
Coeffiecent of Thermal Expansion Across Thickness Across Surface	 ASTM D 696 ASTM D 696	 In/In/˚ Cx10-5 In/In/˚ Cx10-5	11.62.21	$10^6/K$	 116 22
Thermal Conductivity	ASTM C 177	BTU•In/Hr•Ft^2•˚ F	1.9	W/m•K	0.27

GLASTIC®

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