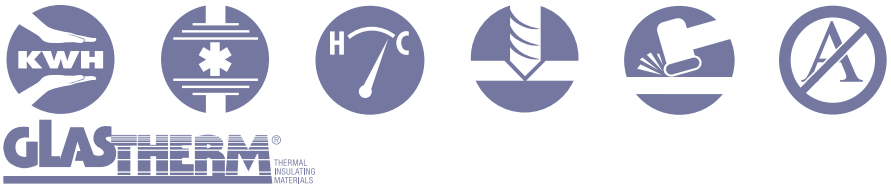
Grade HT Insulation

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



GlasTherm Grade HT 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	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

Jaco Products : Available Cut to Size and/or Fabricated to your Specifications

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