

Glastherm® Grade HT250

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

Glastherm®Grade HT250 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.





RÖCHLING

Glastherm® Grade HT250

		HT250M				HT250HQ			
	Procedure	English Units	Typical Values	Metric Units	Typical Values	English Units	Typical Values	Metric Units	Typical Values
General Information									
Part Number							9921		9921
Standard Color			Brown		Brown		Lt. Green		Lt. Green
Maximum Service Temp.		°F	752	°C	400	°F	752	°C	400
Continuous Use Temp.		°F	482	°C	250	°F	482	°C	250
Mechanical Properties									
Flexural Strength	ASTM D 790	Psi	43,500	Mpa	300	Psi	87,000	Mpa	600
Compressive Strength									
@68°F / 20°C	ASTM D 695	Psi	87,000	Mpa	600	Psi	87,000	Mpa	600
@356°F / 180°C	ASTM D 695	Psi	65,200	Mpa	450	Psi	72,500	Mpa	500
Electrical Properties									
Electrical Strength – Perpendicular S/T in air	ASTM D 149	Vpm	300	kV/mm	12	Vpm	300	kV/mm	12
Physical Properties									
Water Absorption	ASTM D 570	% by wt.	.15	% by wt.	.15	% by wt.	<.10	% by wt.	<.10
Specific Gravity	ASTM D 792	lbs/ft³	125	g/cm³	2.0	lbs/ft³	2.0	g/cm³	2.0
Thickness Tolerance	4 – 50 mm	inches	±0.004	mm	±0.10	inches	±0.004	mm	±0.10
Coefficient of Thermal Expansion									
Across Thickness	ASTM D 696	In/In/°C x10 ⁻⁵	11.6	10 ⁻⁶ /K	116	In/In/°C x10 ⁻⁵	11.6	10 ⁻⁶ /K	116
Across Surface	ASTM D 696	In/In/°C x10 ⁻⁵	1.3		1.3	In/In/°C x10 ⁻⁵	1.3		1.3
Thermal Conductivity	ASTM C 177	BTU•In/ Hr•Ft²•°F	1.54	W/m•K	.23	BTU•In/ Hr•Ft²•°F	1.54	W/m•K	.23

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