

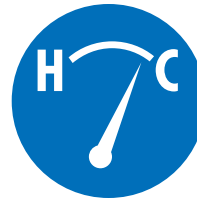


Glastherm® Grade HT200

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

Glastherm Grade HT200 insulating material is ideally suited for reducing heat losses from plastic and zinc die cast molds with operating temperatures up to 550° F. Its thermal insulating capability provide faster startups and increased operating efficiency while its high strength provides long service life.

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® Grade HT200

	Procedure	English Units	Typical Values	Metric Units	Typical Values
General Information					
Part Number			3913 / 3915		3913 / 3915
Standard Color			White or Green		White or Green
Maximum Service Temp.		°F	550	°C	288
Continuous Use Temp.		°F	412	°C	211
Mechanical Properties					
Flexural Strength	ASTM D 790	Psi	31,000	Mpa	213
Compressive Strength					
@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					
Electrical Strength – Perpendicular S/T in Air	ASTM D 149	Vpm	50	kV/mm	2
Flame Resistance Properties					
UL Subject 94	UL 94	0.94 in.	HB	2.4 mm	HB
Physical Properties					
Water Absorption	ASTM D 570	% by wt.	0.2	% by wt.	0.2
Specific Gravity	ASTM D 792	lbs/ft ³	123	g/cm ³	1.97
Thickness Tolerance		inches	±0.002	mm	±0.05
Coefficient of Thermal Expansion					
Across Thickness	ASTM D 696	In/In/°Cx10 ⁻⁵	11.62	10 ⁻⁶ /K	116
Across Surface	ASTM D 696	In/In/°Cx10 ⁻⁵	2.21		22
Thermal Conductivity	ASTM C 177	BTU•In/Hr•Ft ² •F	1.9	W/m•K	0.27

Röchling Glastic Composites
 4321 Glenridge Road
 Cleveland, OH 44121 USA
 Tel: 216-486-0100
 Fax: 216-486-1091
www.glastic.com

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