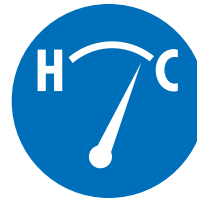


# Glastherm® Grade HT200

- 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**<sup>®</sup>  
THERMAL INSULATING MATERIALS



# Glastherm® Grade HT200

	Procedure	English Units	Typical Values	Metric Units	Typical Values
<b>General Information</b>					
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	200
<b>Mechanical Properties</b>					
Flexural Strength	ASTM D 790	Psi	31,000	Mpa	214
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
<b>Electrical Properties</b>					
Electrical Strength – Perpendicular S/T in Air	ASTM D 149	Vpm	50	kV/mm	2
<b>Flame Resistance Properties</b>					
UL Subject 94	UL 94	0.094 in.	HB	2.4 mm	HB
<b>Physical Properties</b>					
Water Absorption	ASTM D 570	% by wt.	0.2	% by wt.	0.2
Specific Gravity	ASTM D 792	lbs/ft <sup>3</sup>	123	g/cm <sup>3</sup>	1.97
Thickness Tolerance		inches	±0.002	mm	±0.05
Coefficient of Thermal Expansion					
Across Thickness	ASTM D 696	In/In/°Cx10 <sup>-5</sup>	11.62	10 <sup>-6</sup> /K	116
Across Surface	ASTM D 696	In/In/°Cx10 <sup>-5</sup>	2.21		22
Thermal Conductivity	ASTM C 177	BTU•In/Hr•Ft <sup>2</sup> •°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](http://www.glastic.com)

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Röchling Glastic Composites products described herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. THERE IS NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Under no circumstances shall we be liable for incidental or consequential loss or damage.

Glastic® and Glastherm® are registered trademarks of Röchling Glastic Composites. UL® is a registered trademark of Underwriters Laboratories, Inc.

©2007 Röchling Glastic Composites. All Rights Reserved. Printed in USA.