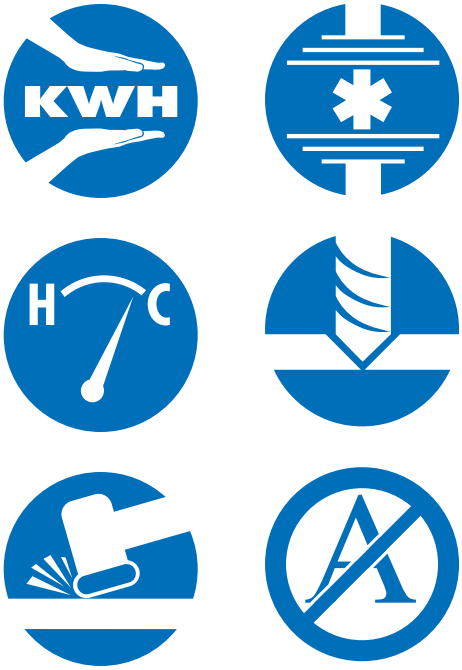
RÖCHLING
Glastic Composites

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® THERMAL INSULATING MATERIALS

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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
Coeffiecent of Thermal Expansion Across Thickness Across Surface	 ASTM D 696 ASTM D 696	 $In/In/°Cx10^{-5}$ $In/In/°Cx10^{-5}$	 11.62 2.21	$10^{-6}/K$	 116 22
Thermal Conductivity	ASTM C 177	$BTU•In/Hr•Ft^2•°F$	1.9	W/m•K	0.27

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