



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: GlathermGradeHT220,GradeHT250

Description: GlathermGradeHT220isathermalinsulationsheet thatisahighlyheat-resistantmaterialthatcombineslowthermalconductivitywithveryhigh compressivestrengthatmoldingtemperature.Finish edtoaclosethicknesstolerance,itisidealfor manyofthemoredifficultmoldingapplications.

GlathermGradeHT250isahighcompressivestrength,heat-resistantcompositematerial.Finishedtoaclosethicknesstolerance,itisidealfor insulationbetweenthefoldandthepressorwithinthemolditself.

Allgradesarecompletelyasbestos-freeanddrugged towithstandroughhandlingduringinstallation.It iseasilycutandmachinedwithstandardmetal workingequipment.Diamondcuttingtoolsarerecommendedforlonglife.

Availability: LaminateSheets: Thickness: English units 1/4”to2” SI Units 6.35cmto50.8cm
 SheetSizes: 36”x72”,48”x96” 94cmx185cm, 121cmx243.84cm

Key Characteristics:	Test Method	Units - English (SI)	Grade HT220	Grade HT250M	Grade HT250HQ
StandardColor			LightBeige	Brown	LightGreen
WaterAbsorption (1/8”thick)	ASTMD570	%	0.2	0.15	<.10
CompressiveStrength:					
@75°F/24°C	ASTMD695	psi(MPa)	72,500(500)	87,000(600)	87,000(600)
@302°F/150°C	ASTMD695	psi(MPa)	55,100(380)	N/A	N/A
@392°F/200°C	ASTMD695	psi(MPa)	40,600(280)	65,200(450) (@356°F/180°C)	72,500(500) (@356°F/180°C)
@550°F/288°C	ASTMD695	psi(MPa)	35,000(250)	N/A	N/A
SpecificGravity	ASTMD792	lbs/in ³ (g/cc)	115(1.85)	125(2)	2.0(2.0)

All of the information, suggestions, and recommendations pertaining to the properties and uses of the products 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 patent is the sole responsibility of the user. There is no warranty, expressed 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.

Key Characteristics:	Test Method	Units - English (SI)	Grade HT220	Grade HT250M	Grade HT250HQ
DielectricStrength (Perp. 1/16",air)	ASTMD570	V/mil(kV/mm)	N/A	300(12)	300(12)
DielectricStrength (Perp. 1/16",air)	ASTMD570	V/mil(kV/mm)	N/A	300(12)	300(12)
ThermalConductivity	ASTMC177	BTU*In/Hr*Ft ² *F(W/m*K)	1.75(0.25)	1.54(0.23)	1.54(0.23)
MaximumServiceTemp.			608F(350°C)	752F(400°C)	752F(400°C)
ContinuousUseTemp.			450F(220°C)	482F(250°C)	482F(250°C)

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