

Glastic GLASTHERM HT250 Insulation Sheet

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Polyester , TS

Material Notes:

Glastherm Grade HT250 is a high compressive strength, heat-resistant composite material. It is ideal for insulation between the fold and the press or within the mold itself. Grade HT250 is asbestos-free and rugged to withstand rough handling during installation. Grade HT250 is employed to save energy during pressing and is mainly used in hydraulic, wood and tire presses. Information provided by Glastic Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Glastic-GLASTHERM-HT250-Insulation-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.00 g/cc	2.00 g/cc	ASTM D-792
Water Absorption	0.15 %	0.15 %	% by wt.; ASTM D-570

Mechanical Properties	Metric	English	Comments
Flexural Strength	300 MPa	43500 psi	ASTM D-790
Compressive Strength	450 MPa	65200 psi	ASTM D-695
	@Temperature 180 Å°C	@Temperature 356 Å°F	
	600 MPa	87000 psi	ASTM D-695
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	

Thermal Properties	Metric	English	Comments
CTE, linear	13.0 Åµm/m-Å°C	7.22 Åµin/in-Å°F	Across Surface; ASTM D-696
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
	116 Åµm/m-Å°C	64.4 Åµin/in-Å°F	Across Thickness; ASTM D-696
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Thermal Conductivity	0.230 W/m-K	1.60 BTU-in/hr-ftÅ²-Å°F	ASTM C-177
Maximum Service Temperature, Air	250 Å°C	482 Å°F	
	400 Å°C	752 Å°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	12.0 kV/mm	305 kV/in	Perpendicular S/T in Air; ASTM D-149

Electrical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Standard Color		Light Green	
Thickness Tolerance in		± 0.0039	5-10mm
		± 0.006	11-20mm
Thickness Tolerance, %		1	21-50mm

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