

Haysite Plastics H208

Thermoset Polyester
Haysite Reinforced Plastics

Message:

Grade H208 has high magnetic permeability and excellent retention of properties after heat aging at elevated temperatures. This unique combination of properties allows Grade H208 to be used in various motor, transformer, coil, and other applications requiring low hysteresis or magnetic flux losses.

General Information			
Filler / Reinforcement	Iron, 75% filler by weight		
Uses	Electrical/Electronic Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	3.27	g/cm ³	ASTM D792, ISO 1183
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	35 - 40		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			
25°C ¹	6720	MPa	ASTM D790
25°C ²	6050	MPa	ASTM D790
23°C ³	6720	MPa	ISO 178
23°C ⁴	6050	MPa	ISO 178
Flexural Strength			
25°C ⁵	124	MPa	ASTM D790
25°C ⁶	112	MPa	ASTM D790
23°C ⁷	124	MPa	ISO 178
23°C ⁸	112	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow			
--	2.4E-5	cm/cm/°C	ASTM D696
--	2.3E-5	cm/cm/°C	VDE 0304
Specific Heat			
--	643	J/kg/°C	ISO 11357-4
--	643	J/kg/°C	ASTM E1269
Thermal Conductivity	0.72	W/m/K	ASTM E1925, DIN 52612
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+6	ohms · cm	ASTM D257
Additional Information	Nominal Value	Unit	
Temperature Rating	155	°C	

NOTE	
1.	Crosswise
2.	Lengthwise
3.	Crosswise
4.	Lengthwise
5.	Crosswise
6.	Lengthwise
7.	Crosswise
8.	Lengthwise

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