

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.

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
<i>Mechanical Properties</i>		
Flexural Strength LW @ 77°F, psi	D-790	16,303
Flexural Strength CW @ 77°F, psi	D-790	17,921
Flexural Modulus LW @ 77°F, psi	D-790	877,915
Flexural Modulus CW @ 77°F, psi	D-790	974,096
<i>Electrical Properties</i>		
Volume Resistivity, Ohm-cm	D-257	>1.0 E+6
<i>Physical Properties</i>		
Iron Content (weight) %	—————	75
Specific Gravity	D-792	3.28
Barcol Hardness	D-2583	35-40
<i>Thermal Properties</i>		
Linear Coefficient of Thermal Expansion, ppm/°F	D696-08	13.2
Thermal Conductivity, W/mK	E-1925-06	0.717
Specific Heat (J/g °C)	E-1269-05	.6434
Temperature Class, °C	IEEE	155

Unless otherwise indicated, all properties published are based on test performed on standard ASTM test samples and according to ASTM test methods. Values shown are for test samples made from production materials and they are believed to be conservative. No warranty is to be construed, however, in fabricated or molded form, parts may vary considerably from this standard test data. Where specific or unusual applications arise, test should be made on actual parts, and test procedures agreed upon between Haysite Reinforced Plastics and the customer.