

Haysite H208 Polyester, Magnetic Permeable

Category : Polymer , Thermoset , Polyester, TS

Material Notes:

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. Information provided by Haysite

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-H208-Polyester-Magnetic-Permeable.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.28 g/cc	3.28 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	35 - 40	35 - 40	ASTM D2583
Flexural Strength	112.4 MPa	16300 psi	LW; ASTM D790
	123.6 MPa	17920 psi	CW; ASTM D790
Flexural Modulus	6.052 GPa	877.8 ksi	LW; ASTM D790
	6.716 GPa	974.1 ksi	CW; ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	23.8 $\mu\text{m/m-}^{\circ}\text{C}$	13.2 $\mu\text{in/in-}^{\circ}\text{F}$	ASTM D696-08
Specific Heat Capacity	0.6434 J/g- $^{\circ}\text{C}$	0.1538 BTU/lb- $^{\circ}\text{F}$	ASTM E-1269-05
Thermal Conductivity	0.717 W/m-K	4.98 BTU-in/hr-ft 2 - $^{\circ}\text{F}$	ASTM E-1925-06
Maximum Service Temperature, Inert	155 $^{\circ}\text{C}$	311 $^{\circ}\text{F}$	IEEE

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00\text{e}+6$ ohm-cm	$\geq 1.00\text{e}+6$ ohm-cm	ASTM D257

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