

Haysite H320 Polyester Composite

Category : Polymer , Thermoset , Polyester, TS

Material Notes:

A thermoset polyester composite that offers superior energy efficiency, temperature control, and durability for high temperature mold and platen thermal applications. A proven, cost effective product for the plastic and rubber molder. Available in thicknesses from 1/8" - 2.00".

Color - Brown. Information provided by Haysite

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-H320-Polyester-Composite.php

Physical Properties	Metric	English	Comments
Water Absorption	0.25 % @Thickness 9.52 mm	0.25 % @Thickness 0.375 in	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength	82.7 MPa	12000 psi	ASTM D638
Tensile Modulus	11.0 GPa	1600 ksi	ASTM D638
Flexural Strength	159 MPa	23000 psi	ASTM D790
Compressive Strength	290 MPa	42000 psi	ASTM D695
	111 MPa @Temperature 204 Â°C	16100 psi @Temperature 400 Â°F	ASTM D695
	161 MPa @Temperature 149 Â°C	23400 psi @Temperature 300 Â°F	ASTM D695
Poissons Ratio	0.332	0.332	ASTM E132
Shear Modulus	4.13 GPa	599 ksi	Calculated
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	14.0 Âµm/m-Â°C	7.78 Âµin/in-Â°F	ASTM D696
Thermal Conductivity	1.90 W/m-K	13.2 BTU-in/hr-ftÂ²-Â°F	ASTM D177
Maximum Service Temperature, Inert	232 Â°C	450 Â°F	

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