

Haysite Heatmeiser® H340 Platen Insulation

Category : Polymer , Thermoset , Polyester, TS , Thermoset Polyester Glass Filled BMC

Material Notes:

Haysite's family of mold and platen insulation products are specially engineered fiberglass reinforced thermoset polyester composites which offer superior energy efficiency, temperature control, and durability for high temperature mold and platen thermal applications. Haysite Thermalate® composites offer a number of specific advantages over other insulation materials: Asbestos Free Cost Effective: Increased efficiency allows for short payback Low Thermal Conductivity/Energy Efficient: Saves and allows more precise temperature control High Heat Resistance: Designed to operate at temperatures up to 550°F High Compressive Strength: Will not take a compressive force, causing mold alignment problems, when subject to extremely high molding pressures Tough and Durable: Does not crack or break easily during mold setup or tear down. More durable than mica or asbestos materials Resists Oils and Fluids: Other more absorbent insulators, such as concrete asbestos, can deteriorate or alter their thermal conductivity No Maintenance Information provided by Red Seal Electric Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-Heatmeiser-H340-Platen-Insulation.php

Physical Properties	Metric	English	Comments
Moisture Absorption at Equilibrium	0.25 %	0.25 %	3/8", Sanded; ASTM D570

Mechanical Properties	Metric	English	Comments
Flexural Strength	141 MPa	20500 psi	ASTM D790
Compressive Strength	125 MPa	18100 psi	ASTM D695, Cond. A
	131 MPa	19000 psi	
	@Temperature 149 °C	@Temperature 300 °F	
	133 MPa	19300 psi	
	@Temperature 204 °C	@Temperature 400 °F	
	138 MPa	20000 psi	
	@Temperature 260 °C	@Temperature 500 °F	
Izod Impact, Notched	4.81 J/cm	9.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	11.7 µm/m-°C	6.50 µin/in-°F	ASTM D696
Thermal Conductivity	0.173 W/m-K	1.20 BTU-in/hr-ft²-°F	ASTM D177
Maximum Service Temperature, Air	288 °C	550 °F	

Descriptive Properties	Value	Comments
Color	Light Gray	

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