

Pyrotek TS-550 Insulating Board

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic

Material Notes:

TS-550 is phenolic-based, fiber and mineral reinforced, high-temperature material. TS-550 offers the high strength and wear resistant properties of laminated materials, while also offering the forming versatility and uniform material composition of engineering plastics. Applications Container glass pad material Glass conveyor rollers and guides Advantages Extremely wear resistant Low porosity prevents oil absorption Low thermal conductivity Capable of being machined or molded into exceptionally high tolerance parts Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-TS-550-Insulating-Board.php

Physical Properties	Metric	English	Comments
Density	1.848 g/cc	0.06676 lb/in ³	
Water Absorption	0.10 %	0.10 %	after 24 hours at 23°C
	0.15 %	0.15 %	after 24 hours at 50°C

Mechanical Properties	Metric	English	Comments
Flexural Strength	88.0 MPa	12800 psi	
Compressive Strength	172 MPa	24900 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.830 W/m-K	5.76 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	315 °C	599 °F	Continuous

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