

XPC Phenolic Laminate

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

Material Notes:

Paper based phenolic provides low cost electrical and mechanical properties. It is widely used for switchboards, panel boards, insulating washers, and intricate punched parts. Information provided by Aurora Technologies.

Order this product through the following link:

http://www.lookpolymers.com/polymer_XPC-Phenolic-Laminate.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0510 lb/in ³	
Water Absorption	1.5 %	1.5 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	95	95	
Flexural Strength	165 MPa	24000 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	Mechanical
	130 °C	266 °F	Electrical

Electrical Properties	Metric	English	Comments
Dielectric Constant	5.4	5.4	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	15.7 kV/mm	400 kV/in	
Dissipation Factor	0.052	0.052	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Descriptive Properties	Value	Comments
Color	Natural/Black	

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