

XP 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_XP-Phenolic-Laminate.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0510 lb/in ³	
Water Absorption	3.3 %	3.3 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	105	105	
Flexural Strength	193 MPa	28000 psi	
Shear Strength	103 MPa	15000 psi	
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	

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	6.7	6.7	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	14.8 kV/mm	375 kV/in	
Dielectric Breakdown	55000 V	55000 V	
Dissipation Factor	0.096	0.096	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Descriptive Properties	Value	Comments
Color	Tan/Black/Chocolate	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China