

## CE Phenolic Laminate

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

### Material Notes:

Cotton based phenolic provides more mechanical strength than paper grades and has a finer surface with better machinability. This material is used for gears, pinions, bearings, bushings, and many structural applications. Information provided by Aurora Technologies.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CE-Phenolic-Laminate.php](http://www.lookpolymers.com/polymer_CE-Phenolic-Laminate.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0500 lb/in <sup>3</sup>	
Water Absorption	1.1 %	1.1 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	105	105	
Tensile Strength, Ultimate	89.6 MPa	13000 psi	
Flexural Strength	131 MPa	19000 psi	
Compressive Strength	255 MPa	37000 psi	
Shear Strength	68.9 MPa	10000 psi	
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	115 °C	239 °F	Electrical
	125 °C	257 °F	Mechanical

Electrical Properties	Metric	English	Comments
Dielectric Strength	7.87 kV/mm	200 kV/in	

Descriptive Properties	Value	Comments
Color	Natural	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

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