



Lamitex® “ , ° Sheets

Lamitex® XXX Grade Paper Phenolic laminate sheet has excellent machining characteristics, low moisture absorption and excellent dimensional stability over large changes in temperature and humidity. Chemical resistance is good when exposed to organic solvents and oils. Grade XXX is frequently specified for use in switchgear, oil field transformers and power distribution products, tooling stock and test panel applications.

Standards: NEMA LI-1 Grade None
MIL-I-24768 None

Availability: CYB is also manufactured as round tubes (convolute wound), molded channel, angle, square and rectangular tubes and fabricated custom parts.

Physical Properties	Test Condition	ASTM	Typical Values
Specific Gravity (.062")		D792	1.40
Rockwell Hardness .250" (M Scale)		D785	90
Moisture Absorption (.062")(maximum)		D229	2.20 %
Flexural Strength (.062")	Condition A: Lengthwise Crosswise	D229	19,000 psi 15,000 psi
Tensile Strength	Condition A: Lengthwise Crosswise		10,000 psi 7,000 psi
Compressive Strength (.500")	Condition A: Flatwise	D695	38,000 psi
Izod Impact Strength (.500" thick)	E48/50: Lengthwise Crosswise	D229	1.7 ft-lb/in.(notch) 1.4 ft-lb/in.(notch)
Bond Strength (.500" thick)	Condition A	D229	1,800 lbs

Thermal Properties

Temperature Index Electrical / Mechanical			- - / 125° C
Coefficient of Thermal Expansion (.062")	x - axis		18.0 in/in/°C x 10 ⁻⁶
Coefficient of Thermal Expansion (.062")	y - axis		24.0 in/in/°C x 10 ⁻⁶
U.L.® 94 Flammability Rating			94-HB

All information and suggestions pertaining to the properties and uses of the materials described herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material for such use is the sole responsibility of the user. No warranty is expressed or implied, including, without limitation, warrant of merchantability or fitness for a particular purpose. Under no circumstances shall Lamitex, LLC be liable for incidental or consequential loss or damage.

Composite Tubes • Bearings • Molded Shapes • Rotary Vanes • Fabricated Parts • Vulcanized Fibre • High Temp Insulation