



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