

## Lamitex® PF-30 Technical Data

Lamitex® PF-30 is woven fabric of organic fibre materials impregnated with a graphite filled phenolic resin formulated for paper mill seal bar and doctor blade applications. Excellent wear properties in challenging conditions have also gained it popularity as a superior composite saw guide material and other sliding bearing applications.

### Mechanical Properties

Standard Color	Black
Flexural Strength: (1/8" thick)	13,000 psi
Flexural Modulus	620,000 psi
Compressive Strength	Flatwise 26000
Tensile Strength:	7,000 psi
Izod Impact	2.1 ft-lb./in. of notch
Rockwell Hardness M Scale	107

### Physical Properties

Specific Gravity	1.33
Maximum Operating Temperature	285°F
Typical Coefficient of Friction, unlubricated	$\mu$ 0.15 - 0.17
Coefficient of Linear Expansion	Parallel to Laminate $\alpha$ $20 \times 10^{-6}/^{\circ}\text{C}$
	Perpendicular to Laminate $\alpha$ $60 \times 10^{-6}/^{\circ}\text{C}$

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