



FRANKLIN

COMPOSITES FOR TODAY'S CHALLENGES

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FRANKLIN FIBRE – LAMITEX CORPORATION

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Lamitex PF-30 Technical Data

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		μ 0.15 - 0.17
Coefficient of Linear Expansion	Parallel to Laminate	α $20 \times 10^{-6}/^{\circ}\text{C}$
	Perpendicular to Laminate	α $60 \times 10^{-6}/^{\circ}\text{C}$

All values are average test results from typical production material. No warranty is implied or guaranteed and testing is recommended for each application.

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

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