

## FIBROX™ FIBER

### FIBROX™ 300 FIBER – FIBROX™ 030 FIBER

HIGH FIBER INDEX

EXCELLENT TENSILE STRENGTH

THERMAL STABILITY

CONSISTENT UNIFORMITY

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By melting HIGH PURITY MINERAL ORES in an electric arc furnace, FIBROX™ has developed synthetic, clean mineral fibers that meet and exceed the demands of today's sophisticated applications. Two versions of this world-class fiber are available: FIBROX™ 300 and FIBROX™ 030 with fiber indexes of 65% and 95% respectively. Products are available in bales and bags.

The white color, high fiber content (low shot) and temperature operating range of FIBROX™ fiber make it an excellent alternative to ceramic refractory, glass, aramid and other mineral fibers.



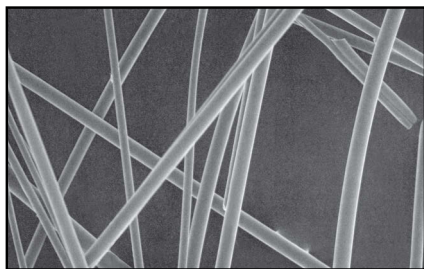
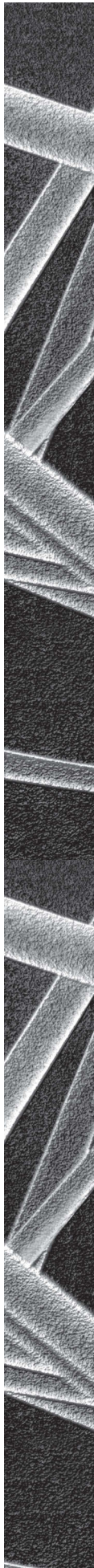
Applications include: chimney insulation; high temperature gaskets; composite reinforcement applications (friction materials, coatings, FRP, etc.) asphalt additive and refractory products (high temperature paper, blankets and vacuum formed shapes).

FIBROX™ TECHNOLOGY LP

P.O. Box 144, THETFORD MINES, QUÉBEC, CANADA G6G 5S5

TÉL. 1-888-330-8323 (418) 338-2323 FAX. (418) 338-3436 E-MAIL: [info@fibrox.com](mailto:info@fibrox.com)

[www.fibrox.com](http://www.fibrox.com)



## FIBROX™ FIBER

### FIBROX™ 300 FIBER – FIBROX™ 030 FIBER

#### TYPICAL PHYSICAL PROPERTIES

Color	Off White
Aspect Ratio	
Fibrox 300 Fiber	+1000
Fibrox 030 Fiber	+500
Density	2.7 - 2.9 GMS/CC
Hardness	6.0 Mohs
Fiber Diameter	5 - 6 Microns, by population
Fiber Diameter Range	1 - 20 Microns
Fiber Length (Average)	
Fibrox 300 Fiber	4 - 8 mm.
Fibrox 030 Fiber	2 - 4 mm.
Non-Fibrous Material	
Fibrox 300 Fiber	35% average by weight
Fibrox 030 Fiber	5% average by weight
Fiber Tensile Strength	80,000 psi
Fiber Tensile Modulus	1.5 - 6 x 10 <sup>6</sup> psi
Refractive Index	1.62 - 1.64
Shrinkage	2.4% at 1600°F (871°C)
Devitrification Temperature	above 1550°F (843°C)
Melting Point	above 2000° F (1093°C)
Operating Temperatures	up to 1500°F (815°C)

#### TYPICAL CHEMICAL COMPOSITION

Silica	40 - 50%
Calcium	15 - 25%
Alumina	10 - 16%
Magnesia	5 - 10%
Other	6 - 10%

\* Range for Major Oxides

#### TYPICAL END USES

Chimney Insulation  
High Temperature Gaskets  
Asphalt Reinforcement  
Soil Conditioning

Friction Materials  
High Temperature Vacuform Shapes  
Refractory Applications

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**SAFETY:** Follow good safety and industrial hygiene practices during handling of all products. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or use.

For more information or to place an order, please call:

**FIBROX CUSTOMER SERVICE**

**1-888-330-8323 or 418-338-2323**

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