

# LEADERS IN MINERAL FIBER TECHNOLOGY



## FIBROX™ SPECIALTY FIBERS

**FIBROX™ 300 MX – FIBROX™ 030 MX**

**• A QUALITY REINFORCEMENT/FILLER MATERIAL •**

**HIGH FIBER INDEX**

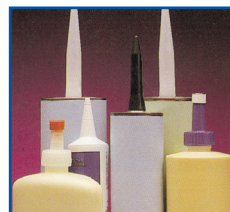
**EXCELLENT TENSILE STRENGTH**

**THERMAL STABILITY**

**CONSISTENT UNIFORMITY**

**NON ASBESTOS**

FIBROX™ develops and supplies an engineered mineral fiber as a base ingredient for composite materials. Produced from high purity mineral ores in an electric arc furnace, the precisely designed fiber is used as a reinforcing material in a variety of composite end-uses including friction materials; vacuform shapes; plastics; paints; caulks and sealants.



Two versions of this world class engineered fiber are available: FIBROX™ 300 MX and FIBROX™ 030 MX with fiber indexes of 95% and 97% respectively. Additionally, application specific surface treatments can be integrated into the process.

**FIBROX™ TECHNOLOGY LP**

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

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



## FIBROX™ SPECIALTY FIBERS

FIBROX™ 300 MX – FIBROX™ 030 MX

### TYPICAL PHYSICAL PROPERTIES

Color.....	Off White
Aspect Ratio.....	200-400
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).....	5-2 mm
Non-Fibrous Material	
300 MX.....	5 % average by weight
030 MX.....	3 % 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

### STANDARD PACKAGING

50 lb. bags      Note: Pulpable bags available.

### TYPICAL END USES

Friction Materials	→	Reinforcement / Wear
Gaskets	→	Heat Resistance
Plastics	→	Shape Retention
Vacuform Shapes	→	High temp refractory ... Firelogs.
Caulks and Sealants	→	Heat resistance & viscosity modifier

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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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