



FIBROX™ SPECIALTY FIBERS

PMF® FIBERWEAR Fiber CG

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.



The world class engineered fiber is available with a fiber index of 70%. Additionally, application specific surface treatments can be integrated into the process.



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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	30 % average by weight
Fiber Tensile Strength	80,000 psi
Fiber Tensile Modulus	1.5 - 6 x 10 ⁶ 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

40 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

604-262-6782

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