



FIBROX™
TECHNOLOGY LP



FIBROX™ MILLED FIBER

FIBROX™ 300 HD – FIBROX™ 300 HDS

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; quality plastics; paints; caulks; sealants, coatings and gaskets.



Two versions of this world class engineered fiber are available: FIBROX™ 300 HD and FIBROX™ 300 HDS with fiber indexes of 95%. Additionally, other surface treatments can be integrated into the process.

FIBROX™ TECHNOLOGY, LP
TEL. 604-262-6782
WEB www.fibrox.com



FIBROX™ MILLED FIBER

FIBROX™ 300 HD – FIBROX™ 300 HDS

TYPICAL PHYSICAL PROPERTIES

Color	Off White
Aspect Ratio	40 - 60
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)	300 - 500 microns
Non-Fibrous Material	
300 HD	5 % average by weight
300 HDS (Silane coated)	5 % 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

TYPICAL END USES

Friction Materials	→	Reinforcement / Wear
Gaskets	→	Heat Resistance
Plastics	→	Shape Retention
Paints	→	Coverage and Coating Strength
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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