

# MICROTUFF®-F (Barretts, MT) high purity Montana talc

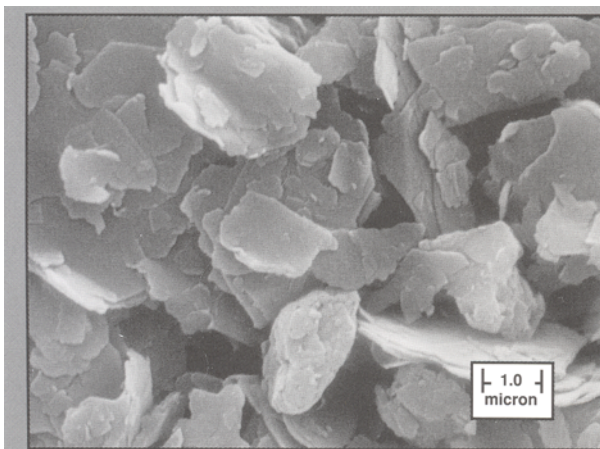
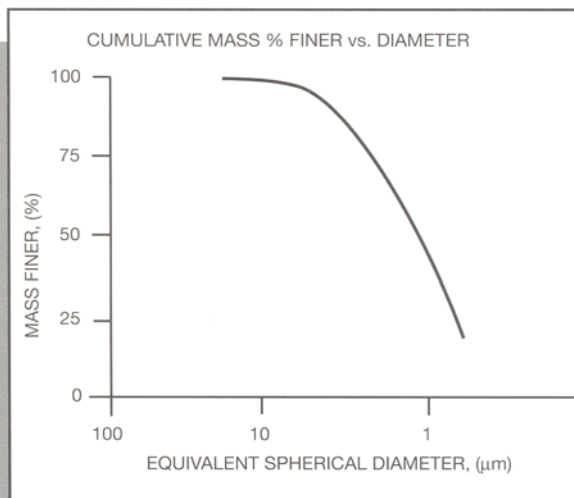
MICROTUFF®-F is a fine particle size platy talc with an FDA surface coating approved under the following: 21CFR 175.500, 21CFR 182.90, 21CFR 177.1520, 21CFR 174.5 (d) and 21CFR 178.3400. MICROTUFF®-F provides high modulus while maintaining the inherently high impact strength of the polyolefin. When used in combination with the new generation high performance polyolefins, MICROTUFF®-F opens new opportunities in food applications, such as thermoformed containers, blown film and injection molded containers and parts.

BMI's Montana Microtuff product contains no detectable quantities of any of the asbestiform minerals.

### Physical Properties

(typical)

Median Particle Size (microns)	1.2
Specific Gravity	2.8
Dry Brightness (Hunter Y, Rd value)	89.5
Bulk Density (pounds/ft <sup>3</sup> )	9.5
(grams/cc)	0.15
Tap Density (pounds/ft <sup>3</sup> )	23
(grams/cc)	0.37
pH Value	8.8
Hegman Fineness	6



### Chemical Composition

(typical)

Silicon Dioxide	SiO <sub>2</sub>	59%
Magnesium Oxide	MgO	31%
Calcium Oxide	CaO	0.3%
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	2.0%
Iron As	Fe <sub>2</sub> O <sub>3</sub>	1.1%
Loss on Ignition	L.O.I.	6.5%
Moisture (% weight loss @ 110° C)	H <sub>2</sub> O	>0.5%

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