

# ULTRATALC<sup>®</sup> 609 high purity Montana talc

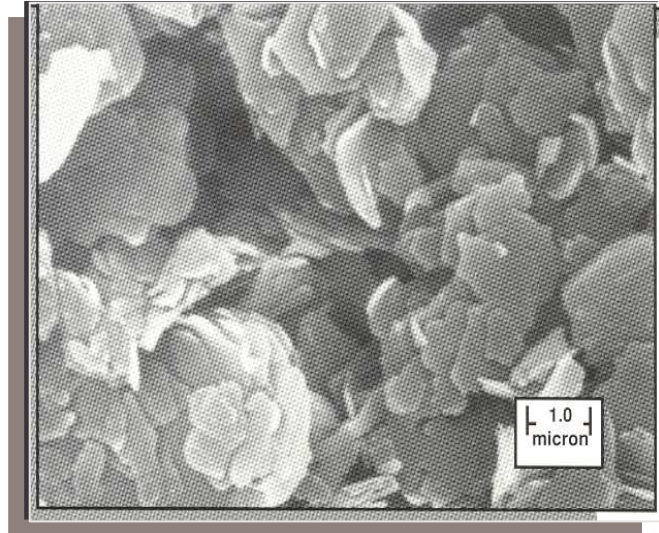
ULTRATALC<sup>®</sup> 609 is an ultrafine ground talc designed to yield the critical balance of impact strength and stiffness required in automotive TPO's, high performance polyolefins, and PVC.

ULTRATALC<sup>®</sup> 609 is made from high purity Montana talc ores that have been specially selected for their use in polymers. These ores are then processed to produce a talc of less than 0.9 microns median particle size. Product uniformity and quality are assured through exacting process control and testing.

## Physical Properties

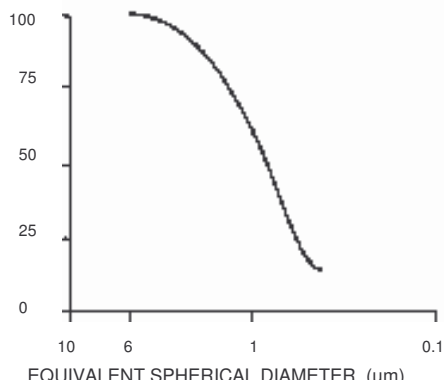
(typical)

Median Particle Size (microns)	< 0.9
Specific Gravity	2.8
Dry Brightness (Hunter Y, Rd value)	89
Bulk Density (pounds/ft <sup>3</sup> )	6
(grams/cc)	0.10
Tapped Density (pounds/ft <sup>3</sup> )	20
(grams/cc)	0.32
pH Value	8.8
Hegman Fineness	7



PARTICLE SIZE DISTRIBUTION  
SEDIGRAPH

MASS FINER (%)



## Chemical Composition

(typical)

Silicon Dioxide	SiO <sub>2</sub>	60%
Magnesium Oxide	MgO	32%
Calcium Oxide	CaO	0.2%
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	1.0%
Iron As	Fe <sub>2</sub> O <sub>3</sub>	1.1%
Loss on Ignition	L.O.I.	5.5%
Moisture	H <sub>2</sub> O	0.2%
(% weight loss @ 110° C)		

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### Sales Offices

Bethlehem, PA 1-610-997-8394  
 Barretts, MT 800-336-9008  
 www.mineralstech.com

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