

# ULTRATALC® 609 high purity Montana talc

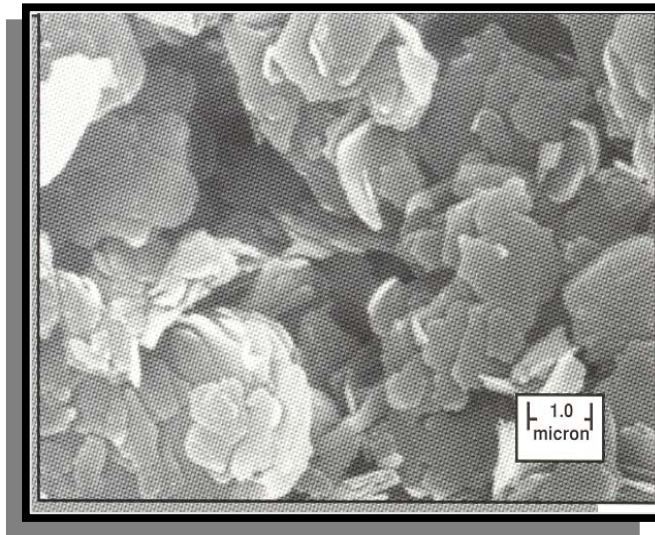
ULTRATALC® 609 is an ultrafine ground talc designed to yield the critical balance of impact strength and stiffness required in automotive TPO's, high performance polyolefins, and PVC.

ULTRATALC® 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.

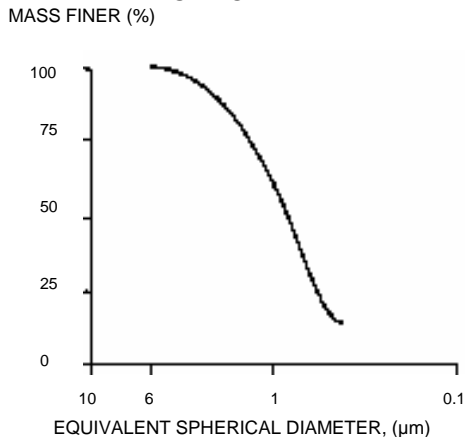
## Physical Properties

(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



## 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

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