



Barretts Minerals Inc.

CALCITALC™ MP 99-54 (Barretts, MT)

high purity Montana talc

Calcitalc™ MP 99-54 is a ceramic Montana steatite talc which has been calcined at a high temperature and ground to 98% thru 325 mesh. It has a low ignition loss value of about 0.3% and is a hard compact granular material producing good die fill. Because of its low firing shrinkage, it is often used in combination with normal talc to control shrinkage of the final product.

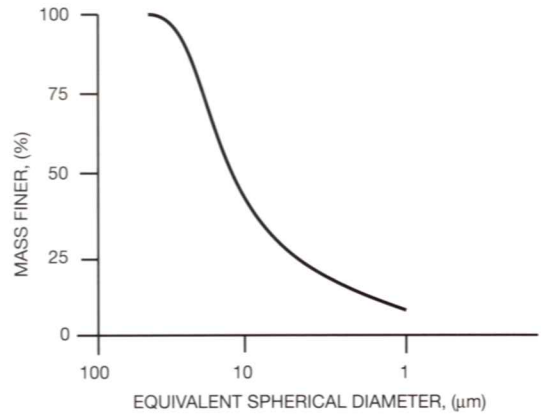
BMI's Montana Calcitalc™ product contains no detectable quantities of any of the asbestiform minerals.

Physical Properties

(typical)

| | |
|---|------|
| Median Particle Size..... | 18 |
| (microns) | |
| Specific Gravity..... | 2.9 |
| Bulk Density (pounds/ft ³)..... | .45 |
| (grams/cc) | 0.72 |
| Tap Density (pounds/ft ³)..... | .98 |
| (grams/cc) | 1.57 |
| Retention 325 Mesh, % | 2.0 |

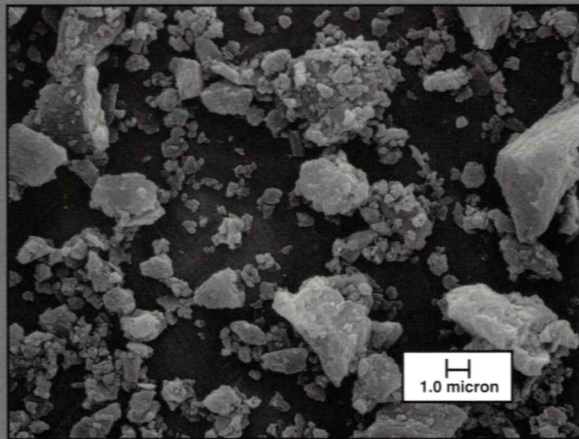
CUMULATIVE MASS % FINER vs. DIAMETER



Chemical Composition

(typical)

| | | |
|-------------------------|--------------------------------|------|
| Silicon Dioxide | SiO ₂ | 60% |
| Magnesium Oxide | MgO | 32% |
| Calcium Oxide | CaO | 0.2% |
| Aluminum Oxide | Al ₂ O ₃ | 1.0% |
| Iron as | Fe ₂ O ₃ | 1.3% |
| Loss on Ignition | L.O.I. | 0.3% |
| Moisture | H ₂ O | 0.1% |
| (% weight loss @ 110°C) | | |



Barretts Minerals Inc. Technical Data

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(Barretts, MT)

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