

# MICROTALC® MP

## FEATURES

- ▶ Platy Morphology
- ▶ Consistent
- ▶ Controlled Particle Size

## BENEFITS

- ▶ Barrier Properties
- ▶ Leveling
- ▶ Matting
- ▶ Gloss Control
- ▶ Sandability
- ▶ Low Abrasivity
- ▶ Pigment Extension
- ▶ Rheology Control

## SHIPPING INFORMATION

MICROTALC® MP ships from Barretts, MT

Product is available in 50 lb. bags, supersacks, and bulk rail.

For availability and minimum order quantity, contact customer service.

## SALES OFFICES

Barretts, MT  
800-336-9008

Bethlehem, PA  
800-801-1031

## TALC

The Microtalc MP (Montana Platy) product line is produced by Barretts Minerals Inc. from multiple ore deposits in the Ruby Mountain range of Montana. Montana platy talc, is widely used as a functional filler in plastics, paint & coatings, film, rubber, agricultural, and other industrial applications. The Microtalc product line is used in applications needing the combination of good mechanical properties, low cost and low weight. Microtalc is low cost, readily available, safe, chemically unreactive, non-abrasive and colorless (appears white in powder form). All grades of Microtalc powder can be densified through roll compaction as requested.

## Typical Physical Properties

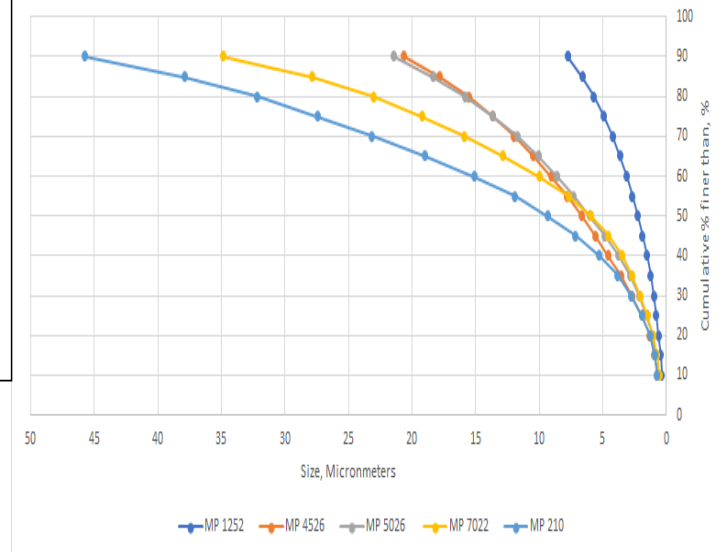
|  | MICROTALC<br>MP 12-52 | MICROTALC<br>MP 45-26 | MICROTALC<br>MP 50-26 | MICROTALC<br>MP 70-22 | MICROTALC<br>MP 210 |
|--|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| Sedigraph d90, Microns                       | 7.8                   | 20.6                  | 21.4                  | 34.9                  | 45.7                |
| Sedigraph d50, Microns                       | 2.2                   | 6.6                   | 6.1                   | 5.9                   | 9.9                 |
| Sedigraph d10, Microns                       | 0.3                   | 0.7                   | 0.6                   | 0.5                   | 0.8                 |
| Laser Light Scatter (Horiba)<br>d50, Microns | 6                     | 13                    | 13                    | 11                    | 14                  |
| Specific Surface Area (m2/g)                 | 15                    | 10                    | 10                    | 9                     | 8                   |
| Oil Absorption (g/100g)                      | 33                    | 25                    | 24                    | 22                    | 20                  |
| Dry Brightness (Hunter Y, Rd Value)          | 89                    | 83                    | 83                    | 78                    | 75                  |
| Dry Brightness (Hunter L Value)              | 91                    | 91                    | 91                    | 88                    | 86                  |
| Bulk Density<br>(lbs/ft <sup>3</sup> )       | 7.5                   | 23                    | 24                    | 27                    | 39                  |
| (grams/cc)                                   | 0.12                  | 0.37                  | 0.36                  | 0.55                  | 0.6                 |

## Typical Chemical Composition

(5026, 7022, 210)

|   | (Wt%) |
|---|-------|
| Silicone Dioxide SiO <sub>2</sub>             | 45    |
| Magnesium Oxide MgO                           | 31    |
| Calcium Oxide CaO                             | 2     |
| Aluminum Oxide Al <sub>2</sub> O <sub>3</sub> | 8     |
| Loss on Ignition L.O.I                        | 10    |
| Moisture % H <sub>2</sub> O                   | <1    |

Sedigraph: Microtalc Products



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**Barretts**  
MINERALS



Barretts Minerals Inc. and its subsidiary Barretts Ventures Texas LLC are debtors in possession in bankruptcy cases pending in the Bankruptcy Court for the Southern District of Texas jointly administered under Case No. 23-90794 (DRJ)