

## FEATURES

- ▶ Platy Morphology
- ▶ Consistent chemical composition and particle size distribution

## BENEFITS

- ▶ Excellent post firing dimensional stability
- ▶ Consistent firing characteristics
- ▶ Reliable repeatability of finished products

# Cercron®

## Ceramic Grade Talc

### Product Description

Specialty Minerals Inc. (SMI) CERCRON® ceramic grade talc products are engineered to meet the exacting purity requirements of cordierite, steatite and other ceramics production applications. This high chemical purity is achieved through state of the art manufacturing process and monitored by a rigorous quality control process that is certified to ISO 9001-2015. These products are used in industrial ceramics in Automotive catalyst supports and filtration, as well as electrical insulators and other non-color sensitive applications. Repeatable ceramic products can be achieved in both the green state and when fired using CERCRON products in these formulations.

### CERCRON® Family of Products: Typical Properties

	MB 25-40	MB 50-60	MP 98-25	MP 97-30
Median Particle Size (d50) microns by Sedigraph	2.4	5.5	12.0	9.6
Median Particle Size (d50) microns by Laser Light Scatter	7.0	9.0	15.2	12.5
Retention, 200 Mesh, %	---	---	2.5	3.5
Retention, 325 Mesh, %	---	1.0	12	14
Dry Brightness (Hunter Y, Rd Value)	88	87	87	84
Color, b value	1.1	1.1	1.3	1.4
Surface Area (m <sup>2</sup> /g)	12.5	10.5	7.7	7.7
Bulk Density (lbs/ft <sup>3</sup> )	12.5	23	26	27
Bulk Density (grams/cc)	0.20	0.37	0.42	0.43
Tap Density (lbs/ft <sup>3</sup> )	37	48	50	58
Tap Density (grams/cc)	0.59	0.77	0.80	0.93
% CaO (typical)	0.2	0.2	0.18	0.25
% Fe <sub>2</sub> O <sub>3</sub> (typical)	1.2	1.2	1.2	1.3
% Al <sub>2</sub> O <sub>3</sub> (typical)	1.2	1.25	1.1	1.2

\*\* Values listed are typical, not to be considered as specifications.

### Common Properties

pH	8.8
Specific Gravity	2.8
Loss on Ignition (@1050°C)	5.5
Moisture (% weight loss @110°C)	<0.5

▶ GCC

▶ Talc

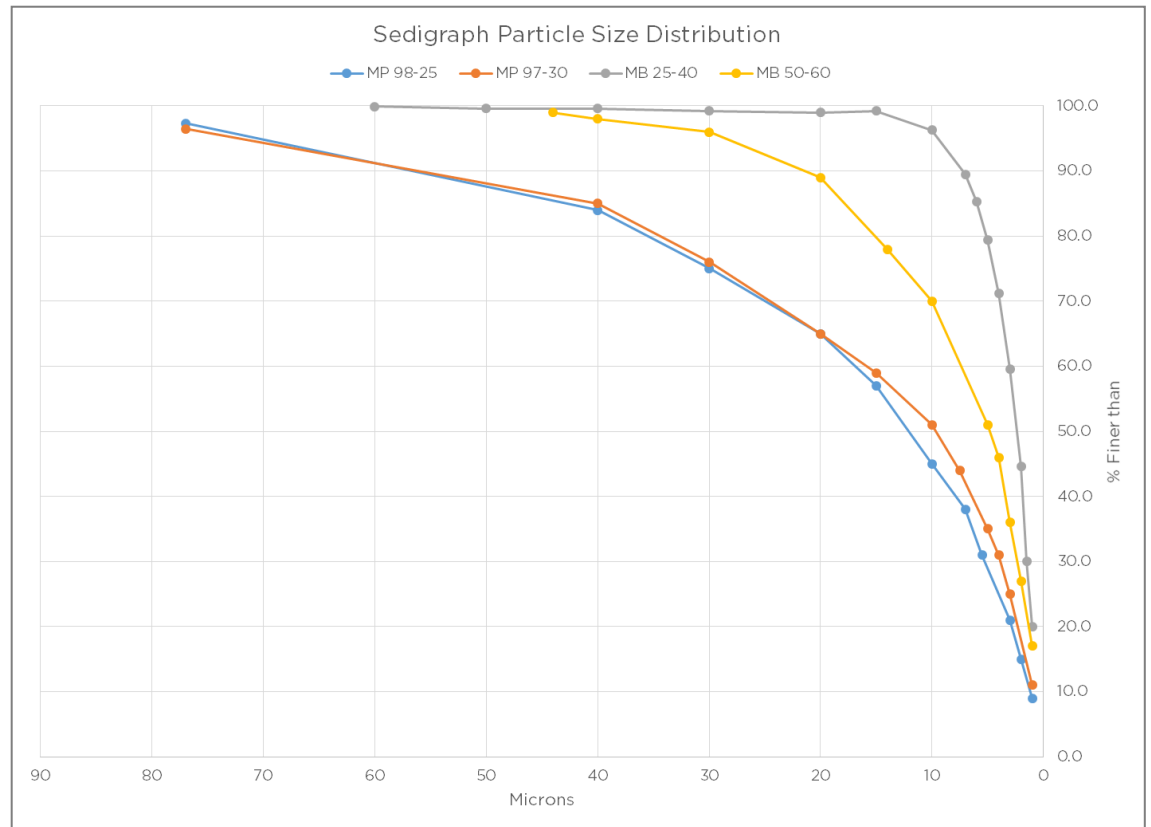
▶ Specialty PCC



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### SHIPPING INFORMATION

Cercron® 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

[www.mineralstech.com](http://www.mineralstech.com)

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