



Georgia Industrial Minerals, Inc.

CD-800 Muscovite Mica

Markets

CD-800 is a water ground mica that has optimum delamination and high purity. Our patented process produces a mica product that gives optimum performance in a variety of applications. In addition to excellent color, CD-800 creates a functional pigment that is very desirable where low bulk density, fineness, high aspect ratio, and excellent coverage is required.

Applications

The major applications for CD-800 are:

Foundry coatings	Mold releases
Wire & cable	Engineering plastics
Asphalt products	Gaskets
Asbestos replacement	Sealants, caulks
High temp coatings	Industrial primers
Exterior coatings	Marine coatings

Performance Characteristics

The performance characteristics that make CD-800 an acceptable cost effective additive for these markets are:

- Excellent color
- Ease of dispersion
- Increased coverage
- Chemical inertness
- High temperature stability
- Superior barrier properties
- Superior dielectric properties
- Superior reinforcement properties

Plant Location: Deepstep Community
1132 Veal Road
Sandersville, Ga. 31082

Phone: (478) 553-0048

Fax: (478) 553-0050

Physical Properties

Specifications

Typical

Mean Particle Size, microns	8 - 12	10	
Sieve Analysis, % retained			
+100 mesh	trace	trace	
+200 mesh	trace	trace	
+325 mesh	0.5 max	0.2	
Bulk Density (Colgate method)	8 - 12	10	Moisture Loss, 100C °, %
0.3			0.5 max
Color, L value	90 min		

Chemical Properties

Mineral	Muscovite mica
Chemical Composition	Potassium aluminum silicate
Specific gravity	2.82
CAS#	12001-26-2
ph	6.0 – 7.5

Regulatory

GIM mica meets the FDA requirements of Title 21 CFR § 175.105.5 Adhesives; §175.300 Resinous & Polymeric coatings; §177.1520(B) Olefin polymers; §177.2800 Rubber articles intended for repeated use; §178.3297 Colorants for polymers. Meets CTFA 73.2496 for use in cosmetics. These mica products are listed on the US TSCA list and Canadian DSL. See MSDS for safety and additional regulatory information.

Contacts

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Updated 3/17/06

Meets CTFA