



Georgia Industrial Minerals, Inc.

CD-2200 Muscovite Mica

Markets

CD-2200 is a water ground muscovite 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-2200 creates a functional pigment that is very desirable where low bulk density, fineness, high aspect ratio, and excellent coverage are required.

Applications

The major applications for CD-2200 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-2200 an acceptable cost effective additive for these markets are:

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

Plant Location :Deepstep Community
1132 Veal Road
Sandersville, Ga. 31082
Phone: (478) 553-0048
Fax: (478) 553-0050

<u>Physical Properties</u>	<u>Specifications</u>	<u>Typical</u>
Mean Particle Size, microns	18 - 22	20
Sieve Analysis, % retained		
+100 mesh	0.1 max.	0.08
+200 mesh	1 max.	0.25
+325 mesh	2.0 max.	1.0
Bulk Density (Colgate method)	10 - 14	12
Moisture Loss, 100C °, %	0.5 max.	0.3
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 73.2498 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

Sales Manager:	Product Manager:
Jim Barton	Jerry Korte
(864) 984-4266	(706) 376-5200
Office & Fax	Office & Fax
jbarton@gimmica.com	jkorte@gimmica.com

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Meets CTFA