



Georgia Industrial Minerals, Inc.

CD-100 Muscovite Mica

Markets

CD-100 is a coarse muscovite mica product with superior color that is specifically designed for engineering resins. The unique particle size can maximize flexural modulus, while improving HDT and dimensional stability. Other applications for CD-100 are roof coatings, foundry coatings and many other products that require increased reinforcement, barrier properties and decorative effects

Applications

The major applications for CD-100 are:

Engineering plastics	Foundry coatings
Asphalt products	Stucco
Rubber dusting	Asbestos replacement
Decorative effect	

Performance Characteristics

The performance characteristics that make CD-100 an acceptable cost effective additive for these markets are:

- Excellent color
- Ease of dispersion
- Chemical inertness
- Increased coverage
- 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

<u>Physical Properties</u>	<u>Specifications</u>	<u>Typical</u>
Mean Particle Size, microns	170 - 200	190
Sieve Analysis, % retained		
+40 mesh	trace	trace
+100 mesh	60 - 80	70
+ 200 mesh	95 min.	96
Bulk Density (Colgate method)	16 – 20	17
Moisture Loss, 100C °, %	0.5 max.	0.3

Chemical Properties

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

Regulatory Approvals

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:
 Jim Barton
 (864) 984-4266
 Office & Fax
jbarton@gimmica.com

Product Manager:
 Jerry Korte
 (706) 376-5200
 Office & Fax
jkorte@gimmica.com

The statements herein are based on data which is believed to be reliable. This data is offered in good faith and typical of normal production. GIM makes no warranty or representation, expressed or implied, regarding the accuracy of this data or the use of this product. The user is solely responsible for the use of this product. Updated 11/15/05