# Georgia Industrial Minerals, Inc.

## CD-325 Muscovite Mica

### Markets

CD-325 is a coarser 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-325 are roof coatings, foundry coatings and many other products that require increased reinforcement and barrier properties.

### Applications

The major applications for CD-325 are:

| | |
|---|---|
| Engineering plastics | Foundry coatings |
| Asphalt products | Stucco |
| Rubber dusting | Asbestos replacement |

### Performance Characteristics

The performance characteristics that make CD-325 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 | Specifications | Typical |
|---|---|---|
| Mean Particle Size, microns | 40 - 60 | 46 |
| Sieve Analysis, % retained | | |
| +100 mesh | 2 max | 0.5 |
| +200 mesh | 10 - 25 | 18 |
| +325 mesh | 35 - 55 | 40 |
| Bulk Density (Colgate method) | 14 – 20 | 17 |
| Moisture Loss, 100C º, % | 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 caoatings;§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

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