



Georgia Industrial Minerals, Inc.

GIMflake 40 Mica

Markets

GIMflake 40 is a coarse muscovite flake 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 GIMflake 40 are roof coatings, foundry coatings and many other products that require increased reinforcement, barrier properties and decorative effects

Applications

The major applications for GIMflake 40 are:

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

Performance Characteristics

The performance characteristics that make GIMflake 40 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

<u>Physical Properties</u>	<u>Specifications</u>	<u>Typical</u>
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Sieve Analysis, % retained		
40 mesh		0.5
100 mesh		68
200 mesh		88
Bulk Density (Colgate method)		17.5

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 73.2496 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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Meets CTFA