



Georgia Industrial Minerals, Inc.

GIMsheen 40 - Industrial Grade Mica

General Description

GIMsheen 40 is a water-ground muscovite mica processed specifically for industrial applications. It is a functional filler in platelet form. Proprietary milling induces a high degree of delamination, which translates into a high aspect ratio and increased resiliency.

Applications

Coatings
Films
Polymers
Adhesives
Sound Deadening
Joint Compound

Performance Characteristics

In coatings:
Contributes to film strength
Increased moisture, vapor barrier properties
Decreases shrink
Decreases checking
Decreases sag
In polymers:
Increased tensile and flexural modulus
Decreased heat distortion
Decreased shrinkage
Decreased UV degradation
Decreased warpage

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

Physical Properties

	<u>Specifications</u>	<u>Typical</u>
Mean Particle Size, microns	34.0 – 44.0	39
Bulk Density (lbs/ft ³)	8 – 12	10
Moisture Loss, 100C °	0.5% max.	0.3%
Oil Absorption		50

Chemical Properties

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

Regulatory

GIMsheen 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. 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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