



# Georgia Industrial Minerals, Inc.

## GIMsheen 50 - Industrial Grade Mica

### General Description

GIMsheen 50 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  
Foundry coatings  
Polymers  
Adhesives  
Sound Deadening

### Performance Characteristics

Coatings:  
Decreases shrink, checking, and sag  
Offers film strength  
Improved barrier properties

Foundry coatings:  
High heat film integrity  
Good post-use coating/mold separation  
Dispersible

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

### Physical Properties

Mean Particle Size, microns	50.0 – 60.0	55
Bulk Density (lbs/ft <sup>3</sup> )	10 – 16	14
Moisture Loss, 100C °	0.5% max.	0.3%
Oil Absorption		55

### Specifications Typical

### 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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Updated 11/15/05