



# Georgia Industrial Minerals, Inc

## SG-70 Muscovite Mica

### Markets

SG-70 is a muscovite mica product, produced by a patented process, that can be used successfully in a variety of applications. The high aspect ratio and platy shape, along with excellent color, offer the opportunity to maximize the performance characteristics of these mineral-filled products by enhancing reinforcement, lubricity, and barrier properties.

### Applications

The major applications for SG-70 are:

Joint Tape Systems	Body patches
Engineering plastics	Refractories
Asphalt products	Sealants
Foundry Coatings	Caulks
Pipe Joint Compound	Adhesives
Underbody coatings	Roof coatings
Asbestos replacement	Plastisols
Fire extinguishers	Gaskets

### Performance Characteristics

The performance characteristics that make SG-70 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  
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Sandersville, Ga. 31082  
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<b><u>Physical Properties</u></b>	<b><u>Specifications</u></b>	<b><u>Typical</u></b>
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Mean Particle Size, microns	25 – 35	30
Sieve Analysis, % retained		
+100 mesh	1.5 max	0.8
+325 mesh	20 -40	25
Bulk Density (Colgate method)	15 - 22	18
Moisture Loss, 100C °, %	0.5 max.	0.3
Color, L value	88 min.	

### **Chemical Properties**

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

### **Regulatory**

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