



## **Georgia Industrial Minerals, Inc.**

### **SG-90 Muscovite Mica**

#### **Markets**

SG-90 is a special ground muscovite mica that can be used as a cost effective additive in many mineral-filled product. Its platelet shape and high aspect ratio, along with superior color, are very important when maximizing the performance of these products. SG-90 is specifically designed for exterior trade sales paint, but it can also be used in engineering plastics, asphalt roof coatings and a variety of other products.

#### **Applications**

The major applications for SG-90 are:

Rubber dusting	Wire & cable
Engineering plastics	Gaskets
Underbody coatings	Plastisols
Asbestos replacement	Exterior coatings

#### **Performance Characteristics**

The performance characteristics that make SG-90 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

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<b><u>Physical Properties</u></b>	<b><u>Specifications</u></b>	<b><u>Typical</u></b>
Mean Particle Size, microns	15 - 25	20
Sieve Analysis, % retained		
+100 mesh	trace	trace
+200 mesh	2 max	0.8
+325 mesh	5 - 12	8
Bulk Density (Colgate method)	10 - 16	14
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