

## Minelco Phlogopite Mica

Category : Ceramic , Oxide , Silicon Oxide

### Material Notes:

Phlogopite Mica is a hydrated silicate of potassium and magnesium. Micas are characterized by a sheet or plate like structure which because of its excellent basal cleavage enables particles of high aspect ratio to be produced. These lamellar particles are flexible, tough, relatively soft, have a low co-efficient of thermal expansion, exceptional electrical properties and excellent chemical resistance.

Applications: The flexibility of mica flakes together with its high aspect ratio provides beneficial properties in both polymer and cementitious systems. In plastics mica increases rigidity, maximum working temperatures and dimensional stability. In cementitious systems, mica prevents shrinkage and cracking - vital characteristics in fire protection boards and coatings. Mica reinforces surface coatings and prevents cracking in marine, industrial and decorative formulations. Automotive products, fire extinguishers, fire protection coatings and welding rods all utilize the combined properties of this fascinating mineral.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Minelco-Phlogopite-Mica.php](http://www.lookpolymers.com/polymer_Minelco-Phlogopite-Mica.php)

Descriptive Properties	Value	Comments
Appearance	Flakes or powder	

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