



# PHLOGOPITE MICA



Our premium Phlogopite Mica powder is renowned for its versatility and superior physical properties. It is a vital component as a functional filler in coatings, providing flexibility and exceptional heat resistance, enhancing the durability and protective abilities of the final product. In the construction industry, our mica powder serves as an essential reinforcement material.

Its thermal insulation properties make it ideal for creating robust and energy-efficient structures. Moreover, our Phlogopite Mica powder is recognized for its fire resistance properties, contributing to safer, more reliable building materials. The quality of our product is reflected in the variety of mesh sizes we offer, ranging from 1,000  $\mu\text{m}$  to 45  $\mu\text{m}$ . This ensures suitability for a wide array of applications.

## PACKAGING

25 kg craft bag, 50 kg pp bag, 600 kg pp bag or according to customer specification.

## SHELF-LIFE

Twelve months in original unopened packaging and stored in a dry place at temperatures of 5 ~ 35  $^{\circ}\text{C}$

Product Sizes	1.18 mm – 0.85 mm
	0.85 mm – 0.25 mm
	250 $\mu\text{m}$ - 75 $\mu\text{m}$
	75 $\mu\text{m}$ - 45 $\mu\text{m}$

Bulk Density	< 0.35 g/cm <sup>3</sup>
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Typical Composition	(WT.) %	
Silicon Dioxide	SiO <sub>2</sub>	42.51
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	15.18
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	7.59
Potassium Oxide	K <sub>2</sub> O	7.15

Typical Properties	
True Density	2.90 g/cc
Melting Point	1,400 $^{\circ}\text{C}$
Moisture % (@100 $^{\circ}\text{C}$ )	<1.0
LOI @ 1,000 $^{\circ}\text{C}$	3.47
Mohs Hardness	2.5-3.0

\* Undersize Max 5% | Oversize Max 5%

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are only intended for sale to industrial and commercial customers. The customer assumes full responsibility for quality control, testing, and determination of the suitability of products for their intended application or use. All data furnished refers to standard production using manufacturing testing tolerances. The product user, and not Damsila Resources (Pvt) Ltd, is responsible for determining the suitability and compatibility of our products for the final user's intended use.