

Product Data Sheet

Wollastonite — Ultra-Fine (UF)

Description

Description Ultra-fine wollastonite is a finely milled, high-purity calcium metasilicate (CaSiO_3) with very fine particle size and high brightness. It is used in premium paints, friction materials, and specialty coatings where fine particle size and reinforcement are required.

Applications Used in premium paints, friction materials (brake pads), and specialty coatings.

Used In Premium paints, friction materials, specialty coatings

Key Benefits

- High purity – CaSiO_3 95%+
- Ultra-fine size (D50 5–10 μm)
- High brightness (90–94)
- Very low iron (Fe_2O_3 max. 0.2%)
- Reinforcement for friction and coating systems

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Calcium Silicate (CaSiO_3)	Min. 95%
Iron Oxide (Fe_2O_3)	Max. 0.2%
Aspect Ratio	5:1 – 8:1
Brightness	90 – 94
Loss on Ignition (LOI)	Max. 2.5%
Moisture	Max. 0.5%

Physical Properties

Property	Specification
Form	Ultra-fine powder

Mesh / Size	D50 5 – 10 µm
Aspect Ratio	5:1 – 8:1
Brightness	90 – 94
Origin	India

* Typical values; mine- and lot-dependent. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Keep bags sealed to maintain quality and prevent contamination
- Avoid dust generation; provide adequate ventilation
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.