

Product Data Sheet

Wollastonite — Standard Powder (SP)

Description

Description	Standard powder wollastonite is a natural calcium metasilicate (CaSiO_3) with a moderate aspect ratio, used as a functional filler in ceramics and paints. It contributes CaO and SiO_2 , reduces firing shrinkage and moisture expansion in ceramic bodies, and acts as a low-cost white filler.
Applications	Used in ceramic bodies, glazes, paint filler, and general industrial filler applications.
Used In	Ceramic body, glaze, paint filler

Key Benefits

- Natural calcium metasilicate – CaSiO_3 92%
- Moderate aspect ratio (3:1 – 5:1)
- Reduces firing shrinkage and moisture expansion in ceramics
- Good brightness (82–86) and white colour
- Economical multifunctional filler

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Calcium Silicate (CaSiO_3)	Min. 92%
Iron Oxide (Fe_2O_3)	Max. 0.5%
Aspect Ratio	3:1 – 5:1
Brightness	82 – 86
Loss on Ignition (LOI)	Max. 3%
Moisture	Max. 0.5%

Physical Properties

Property	Specification
Form	Powder

Mesh / Size	200 mesh / D50 25 µm
Aspect Ratio	3:1 – 5:1
Brightness	82 – 86
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.