Wollastonite – 325 Mesh

CAS Number: 13983-17-0
Chemical Formula: $CaSiO_3$

Wollastonite is a naturally occurring calcium silicate mineral offering a unique acicular (needle-like) structure that imparts high strength, dimensional stability, and improved performance across a wide range of industrial applications. Supplied as a fine 325 mesh powder, it provides excellent dispersion and reinforcement in polymers, coatings, and building materials.

KEY FEATURES

- High aspect ratio for superior reinforcement
- Excellent dimensional stability and chemical resistance
- Improves mechanical strength and toughness in composites
- Enhances thermal resistance and reduces shrinkage
- Non-toxic and asbestos-free mineral

APPLICATIONS

- Rubber and plastics
- Paints and coatings
- Friction materials
- Paper industry
- Glass fibers and ceramics
- Building and refractory materials
- Composite materials and wall panels
- Insulating materials
- Metallurgical protective slag
- Substitutes for asbestos

TYPICAL SPECIFICATIONS

Component	Typical Value
SiO_2 (%)	42 – 52
CaO (%)	43 – 46
Al_2O_3 (%)	0.3 – 0.5
Fe_2O_3 (%)	0.2 – 0.3
TiO_2 (%)	≤ 0.02
MgO (%)	3.0 – 5.0
S (%)	≤ 0.02
P (%)	≤ 0.007
L.O.I (1050 °C) (%)	3 – 5
pH	9 – 11

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PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 5 kg plastic-lined woven bags
- 1000 kg bulk bags

STORAGE & HANDLING

- Store in a cool, dry, and well-ventilated area.
- Protect from direct sunlight and moisture.
- Keep bags tightly sealed when not in use.

SAFETY

- Avoid inhalation of dust—use suitable respiratory protection.
- Prevent contact with eyes; use safety glasses.
- Wash hands thoroughly after handling.