

Fine Mineral Powder Product Specification Sheet

Ultra-Fine Industrial Grade Mineral Filler & Chemical Compound

Multi-Angle Morphology & Macro Texture Inspection

Detailed 4-pane visual frame showcasing **Top View** (particle spread & circular symmetry), **Side Profile** (cone elevation), **Oblique View** (angle of repose), and **Macro Texture** (microscopic particle fineness and homogeneity).



Physical & Technical Specifications

Parameter	Specification Details
Product Category	Ultra-Fine Micronized Mineral Powder / Industrial Filler
Quality Grade	Industrial & Chemical Grade Grade A
Particle Size (D98)	< 10 microns (Ultra-fine micronized)

Color & Appearance	Bright snow-white, free-flowing fine powder
Moisture Content	< 0.5% max
Whiteness Index	> 95% ISO

Chemical Analysis & Properties

Chemical Composition

Main Compound Purity	> 98.5%
Calcium / Mineral Base	Primary carbonate / silicate matrix
Acid Insoluble Matter	< 0.8%
Heavy Metals (Pb, As)	Conforms to strict limits (< 5 ppm)

Physical Properties

Specific Gravity	2.7 – 2.8 g/cm ³
pH Value (10% slurry)	8.5 – 9.5 (Mildly alkaline)
Oil Absorption	15 – 22 g/100g
Hardness (Mohs)	3.0

Industrial Advantage: Exceptional whiteness, high dispersion capability, and ultra-fine particle distribution make this powder ideal for high-end manufacturing applications.

Applications & Packaging Guidelines

Primary Industrial Uses

- **Paints & Coatings:** Acts as an efficient extender and white pigment booster.
- **Plastics & Polymers:** Enhances rigidity, impact resistance, and surface finish in masterbatches.
- **Paper & Rubber:** Improves opacity, smoothness, and tensile strength.

Packaging & Storage

Packaged in moisture-proof multi-wall paper bags or PE-lined woven bags (25kg / 50kg net weight). Store in a clean, dry area protected from dampness.