

Product Data Sheet

Nano Zinc Oxide

Description

Description	Nano Zinc Oxide is a nano-scale form of zinc oxide, supplied as a raw material ingredient for UV-filter (sunscreen) formulations, coatings, rubber/plastics compounding, and antimicrobial textile treatments.
Recommended Use	Raw material ingredient for cosmetic UV-filter formulation, coatings, rubber/plastics, and textile treatment
Restrictions on Use	Supplied as a raw material only; finished-product formulation and regulatory clearance is the responsibility of the buyer/formulator

Key Benefits

- UV-transparent grade suited to cosmetic sunscreen formulation
- High purity for consistent performance in coatings and polymer compounding
- Antimicrobial properties suited to textile and industrial applications

Technical Specifications

Parameter	Unit	Specification	Test Method
ZnO Purity	%	≥ 99	XRF / Titration
Particle Size	nm	20 - 80 (typical, UV-transparent grade)	TEM / DLS
Appearance	—	White powder	Visual
Specific Surface Area	m ² /g	15 - 50 (grade-dependent)	BET Nitrogen Adsorption
Crystal Structure	—	Wurtzite (hexagonal)	XRD

Regulatory Note

Supplied as a raw material ingredient. Buyers are responsible for confirming compliance with applicable cosmetic/UV-filter regulations (e.g., nano-material disclosure and approval requirements) in their destination market before use in a finished cosmetic or consumer product.

Packaging

Packaging	25 kg paper/PP bags; 1 MT jumbo bags for bulk industrial orders
------------------	---

Storage & Handling

- Store in a dry, sealed container away from moisture
- Avoid dust generation; handle with adequate ventilation

Disclaimer: Provided as a general guide, subject to revision; buyers should confirm suitability through their own testing and regulatory review for their destination market.