



TECHNICAL DATA SHEET

ZNO GRADE 500

Description

ZNO Grade 500 is manufactured by French (Indirect) Process with medium surface area, high assay and low impurities. ZNO Grade 500 meets the requirements of ASTM specification D79 for paint, EC RoHS for heavy metal limits, End of Life Vehicles (ELV Directive), and other regulations where good quality zinc oxide is required.

ZNO Grade 500 is also available in pelleted form (ZNO Grade 500P) and with processing aid treatment additive (ZNO Grade 500T).

Uses

This grade is used where lower impurities are required and is used in the tire and rubber, paint and coatings, and all applications except when a special product is requested or required.

TYPICAL CHEMICAL PROPERTIES

Chemical Analysis (%)	Typical Limit*	Nominal	Test Method
ZnO (Zinc Oxide) dry basis	99.8 min.	99.9	Supplier
Pb (Lead)	0.03 max.	0.01	ASTM D4075
Cd (Cadmium)	0.01 max.	0.005	ASTM D4075
Fe (Iron)	0.006 max.	0.002	ASTM D4075
Loss at 110°C (Moisture)	0.3 max.	0.15	ASTM D280

TYPICAL PHYSICAL PROPERTIES

Surface Area (m ² /g)	4.0 - 6.0	5.0	ASTM D4315
Fineness retained on 325 mesh (%)	0.02 max.	0.01	ASTM D4315
(Fineness passing 325 mesh (%))	99.98 min.	99.99	ASTM D4315

Standard Packaging: 50 lb. net wt. Kraft bags, 48X40 2-way wood pallets 2,500 lb net wt.

Customer specifications supersede above limits. Zinc Oxide LLC (ZNO) can produce zinc oxide to meet specific customer specifications or application requirements. *Two sigma μ (>98%).

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