



## TECHNICAL DATA SHEET

# ZNO GRADE 500L

### Description

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

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

### Uses

This grade is used where lower impurities are required and slightly less reactivity provides benefits in the application, such as in paint and coatings to reduce potential gelling/early shelf life failures due the zinc oxide undesirably reacting with dispersants or TiO<sub>2</sub> coatings. This grade is also used in ceramics and electronics .

### 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 <sup>2</sup> /g)	3.0 - 5.0	4	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  $\mu$  (>98%).

**For additional information, contact :** Ed Smith, Vice President - Sales, email: [ed.smith@zn-oxide.com](mailto:ed.smith@zn-oxide.com), Office +1 615 446 8791

