



TECHNICAL DATA SHEET

ZNO GRADE 400L

Description

ZNO Grade 400L is manufactured by French (Indirect) Process with lower surface area, high assay and moderate impurities. ZNO Grade 400L meets the requirements of ASTM specification D79, 2002/95/EC Restriction of Hazardous Substances Directive (RoHS) for heavy metals as amended, 2005/717/EC, 2002/96/EC Waste Electrical and Electronic Directive (WEEE) targets for reducing toxic e-waste, European Union EEA laws 2000/53/EC End of Live Vehicles (ELV Directive), and other regulations where good quality zinc oxide is required.

ZNO Grade 400L is also available in pelleted form (ZNO Grade 400LP) and with processing aid treatment additive (ZNO Grade 400L-T).

Uses

This grade is used where 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 TiO₂ coatings.

TYPICAL CHEMICAL PROPERTIES

Chemical Analysis (%)	Typical Limit*	Nominal	Test Method
ZnO (Zinc Oxide) dry basis	99.8 min.	99.9	Supplier
Pb (Lead)	0.1 max.	0.03	ASTM D4075
Cd (Cadmium)	0.01 max.	0.008	ASTM D4075
Fe (Iron)	0.006 max.	0.002	ASTM D4075
Loss at 110°C (Moisture)	0.25 max.	0.15	ASTM D280

TYPICAL PHYSICAL PROPERTIES

Surface Area (m ² /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 μ (>98%).

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