



TECHNICAL DATA SHEET

# ZNO GRADE 800

## Description

ZNO Grade 800 is our popular low impurity level brilliant white high quality zinc oxide manufactured by French (Indirect) Process. The product is also available in pelleted form (ZNO Grade 800P), and processing aid coating treatment (ZNO Grade 800T).

ZNO Grade 800 is approved for pharmaceutical drug use as an excipient, is USFDA approved as GRAS (Generally Recognized As Safe) at 21cfr182.8991 authorized by the USFDA for use wherever GRAS is approved including food contact in rubber, plastics

and coatings. Grade 800 also meets the requirements of ASTM specification D79, 2002/95/EC Restriction of Hazardous Substances Directive (RoHS) for heavy metals and Waste Electrical and Electronic Directive (WEEE) targets for reducing toxic e-waste, and other regulations where high quality zinc oxide is required.

## 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	99.9 min.	99.9	Supplier
Pb (Lead)	0.005 max.	0.0025	ASTM D4075
Cd (Cadmium)	0.001 max.	0.0003	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)	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  $\mu$  (>98%).

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