



TECHNICAL DATA SHEET

ZINC OXIDE

GRADE 101

Description

Our Zinc Oxide product is a brilliant white powder manufactured by the French (Indirect) Process.

Grade 101 offer medium-high m²/g surface area ("SA"), high assay and very low impurities.

Grade 101 replaces grades ZOCO 100, Zinc Oxide LLC 800H, and KADOX 915.

Uses

This grade is used where lower impurities are required, and where increased zinc oxide reactivity provides benefits such as in stearates and other zinc chemical applications.

This product is also available in pelleted form (grade 101P), and with around up to 0.1% processing aid/surface treatment (grade 101T) for certain rubber mixers.

REPRESENTATIVE CHEMICAL PROPERTIES

Chemical Analysis (%)	Typical Limit**	Nominal	Test Method
Zinc Oxide (ZnO) ignited basis	99.8 min	99.9	Supplier (calculation)
Lead (Pb) *	0.003 max	0.002	ASTM D4075
Cadmium (Cd) *	0.002max	0.0003	ASTM D4075
Iron (Fe)	0.002 max	0.0003	ASTM D4075
Copper (Cu)	0.001 max	0.0001	ASTM D4075
Loss at 110°C (moisture)	0.35 max	0.2	ASTM D280

REPRESENTATIVE PHYSICAL PROPERTIES

Surface Area (m ² /g) *	6.0 – 8.5	7	ASTM D4315
Fineness retained on 325 mesh (%) *	0.03 max	0.01	ASTM D185
(Fineness passing through 325 mesh (%) Specifications	99.97 min	99.99	ASTM D185) ASTM D79

* Regular test item for process & product control and included on COA. Other items are for reference only.

** Zochem can produce zinc oxide to customer specifications superseding the above table.

Standard Packaging: 50 lb. Kraft paper bags on 2,000 to 2,500 lb net wt. pallet, or 2,000 lb FIBC.