



**DATA-SHEET**

SPECIFICATION & DATA SHEET 物质规格数据表		Chemical Analysis: 化学分析	
Product Code: 产品编码	AT0504 1 192 42	Chemical Name: 化学名称	Zinc Oxide 99.5% 氧化锌 99.5%
Trade Name: 商品名称	ZnO 99.5% 氧化锌 99.5%	CAS No.: CAS 编号:	1314-13-2
Synonym 同类名称	ZnO;Zinc White		

Product Information: 产品资料

\*\*\*Specification 规格

Appearance (visual inspection): 外观(目测)	White Powder 白色粉末	Assay Content % Min 纯度% 最小值	99.5
Cu content(CuO)%(Max) 铜含量%≤	0.006	Pb content(PbO)% (Max) 铅含量%≤	0.12
Mn content%(Max) 锰含量%≤	0.0002	Cd content(CdO)%(Max) 镉含量%≤	0.02
Metals Zinc(ZnO) 金属锌	None	Insoluble in HCl(%) 盐酸不溶物%≤	0.03
Volatile matter% (105℃) 挥发分%≤	0.4	Soluble in water(%) 水溶物%≤	0.4
Residues(45 μ m wet sieve%) 筛余物(45 μ m wet sieve%)≤	0.28		

\*\*\*Typical Properties 主要特性

Zinc Oxide is White powder. Melting point is 1,975 °C (5.2MPa).When heat up to 1,800 °C ,it will be sublimations. The appearance assumes yellow in high temperature, and restores the white when it is cold. The relative density is 5.47-5.67. The refractive index is 2.0041.It is soluble the alkaline metal hydroxide, the acid, the ammonia water, the ammonium sulfate and the ammonium chloride solution, insoluble in the water and the ethanol. It can absorb the carbon dioxide and the water in the air. It does not have smelly and non-toxic.	白色粉末。熔点 1975℃(5.2Mpa)。加热至 1800℃ 升华。在高温时呈黄色、冷后恢复白色。相对密度 5.47-5.67。折射率 2.0041。溶于碱金属氢氧化物、酸、氨水、硫酸铵和氯化铵溶液，不溶于水和乙醇。在空气中能吸收二氧化碳和水。无臭无毒。
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\*\*\*Recommended Applications 应用推荐

This mainly serves the natural rubber, the synthetic rubber and the latex as vulcanization agent ingredient in the rubber industry, both can speed up the curing speed, and can enhance the degree of vulcanization. Next, the zinc oxide may serve as makes up the potentiante agent and the colorant agent, also may serve as the neoprene vulcanizing agent.	本品在橡胶工业中主要用作天然橡胶、合成橡胶及乳胶的硫化活性剂，既能加快硫化速度，又能提高硫化度。其次，氧化锌可用作补强剂和着色剂，亦可用作氯丁胶硫化剂及增加导电性能的配合剂
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\*\*\*Handling and Storage recommendations 推荐使用和存储条件

Avoid contact with skin and eyes. Keep container dry. Keep in a cool place. Avoid direct sunshine. Product slowly degrades on storage particularly under warm ,humid conditions .Keep stock below 40℃. Usually the shelf time is 12 months while the recommend use of date is 6 months.	避免皮肤及眼睛直接接触，操作完毕，彻底用肥皂及清洗手应储存于阴凉干燥而且通风良好的地方，避免阳光直射原理热及引火源,保持库存温度在 40℃ 以下。 通常情况下保质期为 12 个月，建议使用 6 个月内。
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\*\*\*Package 包装

Bag: 25kg/bag 包装: 25kg/bag	Pallet(1.1*1.1*0.1): 1000kg/P 托盘(1.1*1.1*0.1): 1000kg/P
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