

## Nanozinco 20

**Product Name:** Nano Zinc Oxide

**INCI Name:** Zinc Oxide

**CAS#:** 1314-13-2

Nano zinc oxide, a white to light yellow powder made by chemical synthesis and calcination. It has high purity spherical particles with small and uniform particle size, and its grinding dispersion has superior transparency. It has the functions of infrared and ultraviolet shielding, sterilization, health care, heat conduction, etc. It is used to make fibres with anti-ultraviolet and anti-infrared radiation functions, as well as synthetic rubber and coatings.

### Product Parameters:

Appearance: (visual inspection)	White to light yellow powder
Purity (%):	≥99
Primary particle size (nm):	50±10
pH value:	6.00-8.50
Loss on drying (%):	≤2.00
Bulk density (g/cm <sup>3</sup> ):	0.2-0.40
Dispersibility: (Powder dispersed in solvent oil/water)	Can dispersed in oil and water

### Product Features and Applications:

#### Features:

- 1) High purity, small particle size, narrow size distribution, large specific surface area, high surface activity, superior sterilization and health care functions, antibacterial and mildew resistance.
- 2) Have functions of infrared and ultraviolet shielding, heat conduction.
- 3) As inorganic activator and vulcanization accelerator in rubber industry, it can improve the surface finish, mechanical strength, temperature resistance, aging resistance and wear resistance of rubber products.

## Applications:

- 1) Coatings, plastics, functional fibers and textiles with the improvement of sun and weather resistance as a result of UV shielding ability.
- 2) Antibacterial, bacteriostatic, deodorizing and self-cleaning materials for coating, rubber, latex and ceramics.
- 3) Wear resistant, tear resistant and mechanical reinforcing agent for rubber products.
- 4) Infrared absorption materials in military industry.
- 5) Antibacterial and zinc supplement materials for feed.

## Storage Information:

Manufacture area:	China
Packaging:	15 kg/ barrel
Storage:	Sealed, storage in a cool and dry place away from light
Shelf life:	36 months

Date: 2021/1/14