



# Shanghai King Chemical Co.,Ltd

Tel: +86-21-67817854 Fax: +86-21-67817855

Address: ROOM CDEF , 9th Floor, Building D, Weijing Center Tower  
NO.2337 GuDai Road, Minhang District, Shanghai, China

Name: Zinc oxide for rubber

Project	Indicators		
	I type	II type	III type
Appearance	White powder		
Zinc oxide content, % $\geq$	99.70	99.70	99.50
Content of metal, % $\leq$	There is no	There is no	0.008
Hydrochloric acid insoluble, % $\leq$	0.006	0.008	0.03
Burn loss, % $\leq$	0.20	0.20	0.25
Sieve residue, % $\leq$	0.10	0.15	0.20
Water soluble, % $\leq$	0.10	0.10	0.15
105°C volatile, % $\leq$	0.3	0.4	0.5
Lead (Pb) content, % $\leq$	0.0080	0.05	0.10
Copper (Cu) content, % $\leq$	0.0002	0.0004	0.0007
Manganese (Mn) content, % $\leq$	0.0001	0.0001	0.0003
Cadmium (Cd) content, % $\leq$	0.0020	0.0050	0.010
Iron (Fe) content, % $\leq$	0.0050	0.010	-
Specific surface area /(m <sup>2</sup> /g)	agreed		-
Oil absorption/(g / 100 g)	agreed		
Color	agreed		
Decolorization force	agreed		
Note: zinc oxide (indirect method) products only			

## Product use:

Rubber grade zinc oxide is used in the production of rubber products such as tires, bias tires, conveyor belts, rubber tubes, adhesive tapes, rubber shoes, latex gloves and so on.

## Product features and functions:

- 1, rubber zinc oxide activity, particle size uniformity, strong dispersion, has a good role in promoting vulcanization, improve the crosslinking density of vulcanized rubber, make vulcanization more thoroughly.
- 2, rubber zinc oxide can better improve the viscosity of rubber material, improve the adhesion of rubber and steel wire, curtain and other skeleton materials.
- 3, good dynamic mechanical properties, rubber products of small deformation, less heat, wear resistance, so that it has good aging resistance.
- 4, used for transparent or colored rubber products, with carbon black and other traditional active agent irreplaceable role.



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5, used in rubber shoes, rain boots, rubber gloves and other labor protection products, can greatly prolong the service life of products, and can improve their appearance and color.