



TECHNICAL INFORMATION

Zinc Oxides

Zinc Oxide RACplus

1 General Data

Product Name	ZINC OXIDE RACplus	Article Number	10513
CAS-Number	1314-13-2	EINECS-Number	215-222-5
HS-Code	28 17 00 00		

2 Product Description

State Of Matter	solid	Form	powder
Colour	yellowish	Odour	odourless

3 Chemical Characterization

ZINC OXIDE RACplus is an active zinc oxide. It is produced by a special precipitation process from zinc dithionites and zinc sulfoxylates with caustic soda. Due to the gentle thermal treatment and its chemical origin, ZINC OXIDE RACplus provides excellent vulcanization properties.

4 Typical Properties

No	Parameter	Unit	Typical Value *	Method
01	Residue on Sieve (45 µm)	%	0,1	BRG P 005
02	Specific Surface Area	m ² /g	60	DIN 66131 (BET)
03	Bulk Density	kg/m ³	500	BRG P 001
04	Zn as ZnO	%	94,0	BRG C 011
05	Loss on Ignition (800°C)	%	3,0	BRG C 026
06	Electrical Conductivity	mS/cm	1,2	BRG C 027
07	Pb	ppm	10	BRG C 020
08	Cd	ppm	1	BRG C 021
09	Cu	ppm	5	BRG C 015
10	Mn	ppm	2	BRG C 014
11	Fe	ppm	10	BRG C 013

*The listed raw material properties are not a binding specification. They are only typical values. The product specification sheet is also available.

5 Application

ZINC OXIDE RACplus can be used e.g. as an

- activator for sulphur- and thiuram-vulcanization for technical rubber goods and tires
- activator in highly filled latex foams for carpet backings
- Due to the high fineness of the grains it is especially applicable to soft rubber mixtures
- Coatings and paint industry

6 Health and Safety Data

Hazardous symbol(s) and indication(s) of danger for dangerous substances and preparations



Hazardous component(s) to be indicated on label:

Zinc oxide

N, Dangerous for the environment

R-phrases

R 50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S 60

This material and its container must be disposed of as hazardous waste.

S 61

Avoid release to the environment. Refer to special instructions/Safety data sheets.

Safety data and information can be taken from the Material Safety Data Sheet

7 Package

25 kg PE bags

Big Bags up to 750 kg

8 Storage and Shelf Life

If kept properly in unopened bags (dry/25°C) the shelf life of ZINC OXIDE RACplus is at least 12 months.