



Edition : July 2003.  
Revision 7 : September 2009.

## PRODUCT DATA SHEET

# ZINC OXIDE "SILOX ACTIVE FREE FLOWING ®"

**SILOX ACTIVE FREE FLOWING** is a chemically produced zinc oxide in micropearls form with excellent flow and reactivity characteristics in use.

Formula	ZnO		
Molecular Weight	81.38		
International codification	CAS N° : 1314-13-2	CUS N° : 25334	
	EEC N° (EINECS) : 215-222-5	CUSTOMS TARIFF : 2817 00 00	

### Product Characteristics

Physical properties	Test methods	Values
Appearance	Yellow pale micropearls with 100 % nodular particles	
Surface area B.E.T.	ELC 30 - Measure of the surface area B.E.T.	45 +/- 5 m <sup>2</sup> /g **
Specific gravity		5.5/5.7
Packing density		900 g/l approx.
45µm sieve retention	ELC 56 - Granulometry	0.08 % max.

Chemical properties	Test methods	Values
ZnO %	ELC 51 - Titrimetry	94 min.
Cu ppm	EICP 19 - ICP*	7 typical value
Mn ppm	EICP 19 - ICP*	4 typical value
Pb ppm	EICP 19 - ICP*	20 typical value
Cd ppm	EICP 19 - ICP*	2 typical value
Loss on drying (2 hrs at 105°C) %	ELC 14 - Gravimetry	0.5 max.**

\* ICP : Inductively Coupled Plasma

\*\* Loss at 105°C specification and surface area B.E.T. specification are guaranteed at packing only.

The different methods of analysis are available in French language on request (please quote the reference number corresponding to the required analysis).



## Packing and Storage

Packing	25 kg paper bag. 500 kg /1000 kg polypropylene big-bag.
Storage	To be stored in a cool dry place.

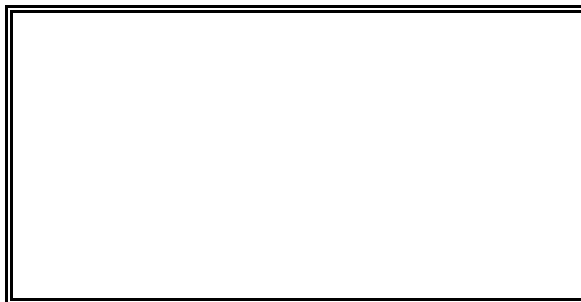
## Main Uses

**ACTIVE SILOX Free Flowing** is specifically targeted to the manufacture of technical rubber products. Compared to classic zinc oxides, it demonstrates approximately a 50% reduction in consumption for equivalent results.

- Provides stability and optimization of blending.
- Reproducibility of performance.
- Technical and economical benefits.
- Reduction in zinc content.
- Outstanding performance for extrusion products.
- Improved health and safety - handling, dosage and transport optimized.
- Improved dispersal.
- Improved adhesion characteristics of blends on metal.

It can be used in the manufacture of catalysts.

REPRESENTATIVE FOR YOUR COUNTRY



It is our policy to constantly improve our products. We reserve the right to modify these characteristics with prior notice.