MIXLAND+®

ZNO masterbatch (Vulcanization agent)

- **ZINC OXIDE**
- **Molecular weight : 84**
- **CAS : 1314-13-2**
- **EINECS : 215-22-5**

PRODUCT	Active Content (%)	Color N for Natural P for Pigment	Filtration (µm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
ZNO 80 GA F140	80	White to yellowish* (N)	140	30	2.66

GA: Granules co-polymer of acetate/acrylate & polyethylene

** Depending on natural variation of ZNO*

ACTIVE MATERIAL TYPICAL VALUES

- Purity : 98% min
- Sieve residue 45µm : 0.08% max
- Specific surface (BET) : 5 to 8 n^2/g

PROPERTIES

Mixland+® ZNO masterbatch is a highly effective vulcanization activator for use in NR, SR and latex.
As the loading is increased, the activity of the vulcanization system and the degree of crosslinking are increased.
It is also used as light-colored reinforcing filler.
It is recommended for all conventional accelerator systems, slightly retarding alkaline types.
In vulcanization, Mixland+® ZNO masterbatch exhibits anti-scorch properties, gives good processing, low heat build-up and varies from slow to fast curing, depending on impurities present.
It is a curing agent also in addition with MgO for CR.

APPLICATIONS

Vulcanisates needing high elasticity or transparency, vulcanisates cured in hot air or with sulphenamides, rubbers cured with metallic oxides and without sulfur, food-contacting goods, latex and adhesive compounds.

PACKAGING & STORAGE

Cardboard box weight : 25 kg net on Standard CP3 pallet of 600 kg net - Do not pile more than 2 pallets height
Shelf-life : **2 years** in its original packaging
Store in a dry and cool place and away from direct sources of heat or sunlight.

SAFETY & TOXICITY

For detailed information, please refer to our Material Safety Data Sheet.

NITROSAMINE FREE

MIXLAND+® MASTERBATCH ALLOWS:

- Dust free products with a high level of filtration up to 100µ
- Tack free products at room temperature
- Lower Mooney viscosity, improving quality of dispersion
- Scrap rate reduction thanks to filtration
- Wider compatibility with elastomers

NITROSAMINE FREE

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from the literature but shall in no event be held to constitute or imply any warranty or undertaking. No liability whatsoever can be accepted with regard to the handling, processing or use of the products concerned, which must in all cases be employed with regard to all relevant regulations and/or legislation in the country or countries concerned.

Issued 11 dated March 2022 **TECHNICAL DATA SHEET**

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ARKEMA

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