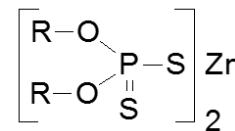


ZBOP masterbatch (Accelerator and sulfur donor)

- PHOSPHORODITHIOIC ACID, MIXED O, O-BIS (2-ethylhexyl and iso-Bu) ESTERS, ZINC SALTS
- CAS : 68442-22-8
- EINECS : 270-478-5



PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (µm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
ZBOP 50 GA F500	50	White to grey* (N)	500	40	1.2

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

ACTIVE MATERIAL TYPICAL VALUES

- Appearance : Light yellow liquid
- Sulfur content : 19%

REMARKS

- Non-staining
- Non-discolouring

PROPERTIES

Mixland+® ZBOP masterbatch is a secondary accelerator and a non-blooming sulfur donor for the vulcanisation of NR and synthetic rubbers such as SBR, NBR, IR, IIR and EPDM.

It can substitute classical sulfur donors such as DTDM, DPTT or TMTD.

It provides vulcanisates with good heat ageing resistance and favourable compression set properties.

In NR, Mixland+® ZBOP masterbatch is an ultra-accelerator for sulfenamides and it gives excellent reversion resistance.

It readily disperses in rubbers.

Recommended quantity is between 2 to 6 phr.

Proper vulcanization is obtained with sulfenamides at temperatures above 180° C. For NR, Mixland+® ZBOP masterbatch gives an excellent vulcanization plateau with sulfenamides.

Thanks to higher molecular weight, Mixland+® ZBOP masterbatch reduces bloom effect compare to ZDTP, especially in EPDM.

APPLICATIONS

Tires, engine mounts, EPDM profiles, heat-resistant products, etc...

PACKAGING & STORAGE

- PE bags weight : 20 kg net
 - Standard CP3 pallet : 640 kg - 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

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.

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TECHNICAL DATA SHEET

MLPC International

209, Avenue Charles Despiau – 40370 Rion des Landes - France
Tel.: +33 (0)5 58 57 02 78 – Contact : commercial@mlpc-intl.com
<http://www.mlpc-intl.com>

MLPC
INTERNATIONAL
ARKEMA GROUP