

# **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

R-O	
	Zn
R-O´s _	2

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

**REMARKS** 

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

#### **ACTIVE MATERIAL TYPICAL VALUES**

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

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**Issued 2 dated March 2020** 

**TECHNICAL DATA SHEET** 

