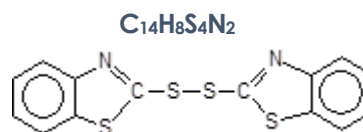


MBTS masterbatch (Thiazole accelerator)

- MERCAPTOBENZOTHAZOLE DISULFIDE
- Molecular Weight : 332.5
- CAS : 120-78-5
- EINECS : 204-424-9



PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (μ m)	Mooney ML (1+4) 80°C Typical value	Density Typical value
MBTS 75 GA F140 ①	75	Light green* (P)	140	30	1.26 to 1.3
MBTS 70 GA F140 ①	70				
MBTS 75 BA F140 ②	75				

GA: Pellets on ethylene-alkyl-acrylate binder / BA: Slabs on ethylene-alkyl-acrylate binder

* Depending on natural variation of MBTS

ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 170 °C
- Purity : 95.0%

REMARKS

Non-staining
Non-discolouring in "white" stocks
Bitter

PROPERTIES

Mixland+® MBTS masterbatch is a medium speed primary accelerator for general purpose rubbers, similar to MBT but with a higher activation temperature for greater processing safety. In fact MBTS can be used when MBT is too scorchy.

It has little tendency to scorch, moderate cure rate, is safe to handle and leads to products with good ageing resistance. It may be used in NR, IR, SBR, BR, NBR, EPDM products but as it gives a bitter taste to vulcanized rubber, it is not suitable for use in the manufacture of food contact materials.

It activates curing system based on BDQ for butyl mastic application.

It is suitable for. It can be boosted by guanidines, thiurams or dithiocarbamates to achieve a faster cure and a higher modulus. In CR, it acts as a retarder, specially efficient with thiadiazole curing system.

It is very active above 142° C and disperses readily. Unlike thiuram disulfide, it does not split off active sulfur during vulcanization.

APPLICATIONS

Tires, tubes, belting, hoses, footwear, goods for industrial use, etc...

PACKAGING & STORAGE

- ① PE bags weight : 20 kg net on Standard CP3 pallet of 640 kg net
 - ② 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 100 μ
- 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

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