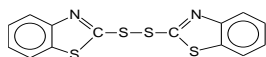


MBTS MASTERBATCH

Nitrosamine-free thiazole accelerator

ACTIVE MATERIAL



PROPERTIES:

Mixland+® MBTS masterbatch is a medium fast 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.

APPLICATIONS:

Tyres, tubes, belting, hoses, footwear, goods for industrial use, etc

Mercaptobenzothiazole Disulfide

C₁₄H₈S₄N₂

M.W.: 332.5

CAS: 120-78-5

EINECS: 204-424-9

Mixland+® MBTS masterbatch 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 nearly all rubber products but as it imparts a bitter taste to vulcanised rubber, it is not suitable for use in the manufacture of food contact materials.

TYPICAL VALUES:

Melting point: 170°C
Purity: 95.0%
Specific gravity: 1.54

Mixland+® MBTS masterbatch is suitable for NR, IR, SBR, BR, NBR, EPDM. 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.

REMARKS:

Non-staining
Non-discolouring in "white" stocks

Mixland+® MBTS masterbatch is very active above 142° C and disperses readily. Unlike thiuram disul-phide, it does not split off active sulfur during vulcanisation.

MASTERBATCH

PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (microns)	Binder	Mooney ML (1+4) 50°	Density	Shore Hardness
					Typical value	Typical Value	
MBTS 75 GA F140 ①	75	Green to greenish * (P)	140	E/AA	40	1.31	55
MBTS 75 BA F140 ②	75				35		72

**Depending on natural variation of MBTS*

GA: Pellets on ethylene-alkyl-acrylate binder

BA: Slabs on ethylene-alkyl-acrylate binder

SAFETY & TOXICITY:

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

PACKAGING & STORAGE:

- ① PE bags weight : 20 kg net-CP3 pallet : 640 kg net.
- ② Cardboard box weight : 25 kg net.-CP3 pallet : 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

Compared to a traditional EVA/EP(D)M binder, 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 other elastomers.

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