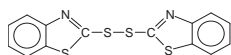


MBTS masterbatch

Nitrosamine-free thiazole accelerator

ACTIVE MATERIAL



Mercaptobenzothiazole
disulphide
C₁₄H₈S₄N₂
M.W. : 332.5
CAS : 120-78-5
EINECS : 204-424-9

PROPERTIES :

Mixland[®]NEWGEN 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.

Mixland[®]NEWGEN 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.

Mixland[®]NEWGEN MBTS masterbatch is suitable for NR, IR, SBR, BR, NBR, EPDM and CR (for CR, depending on its types, it may have a retarding effect). It can be boosted by guanidines, thiram or dithiocarbamates to achieve a faster cure and a higher modulus.

Mixland[®]NEWGEN MBTS masterbatch is very active above 142° C and disperses readily. Unlike thiram disulphide, it does not split off active sulphur during vulcanisation.

APPLICATIONS :

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

TYPICAL VALUES :

Melting point : 170° C
Purity : 95 %
Specific gravity : 1.54

REMARKS :

Non-staining,
non-discolouring in "white"
stocks.

MASTERBATCH

PRODUCT	Active Content (%)	Colour <i>N for natural</i> <i>P for pigment</i>	Mooney ML(1+4) 80° <i>Typical value</i>	Density <i>Typical value</i>
MBTS 75 G	75	Light green (P)	45	1.31

SAFETY & TOXICITY:

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

PACKAGING & STORAGE:

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

MIXLAND[®]NEWGEN Masterbatch offers:

- Rapid mixing and good dispersion in a wide range of elastomers.
- Efficient use of chemicals.
- Short cleaning time.
- Long shelf-life time.
- Excellent working conditions: dust free products, suitable for automatic weighing and handling equipment, less skin contact for operators.
- Elimination of residual dust in packaging.

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 - MASTERBATCH NEWGEN MBTS