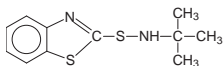


TBBS masterbatch

Nitrosamine-safe sulphenamide accelerator

ACTIVE MATERIAL



N-tert-butyl-2-
benzothiazolesulfenamide
C₁₁H₁₄N₂S₂
M.W : 238
CAS : 95-31-8
EINECS : 202-409-1

PROPERTIES :

Mixland®^{NEWGEN} TBBS masterbatch is a general purpose primary accelerator combining a fast cure with a delayed action.

Mixland®^{NEWGEN} TBBS masterbatch is very safe at processing temperatures, but produces high modulus compounds at curing temperatures.

Mixland®^{NEWGEN} TBBS masterbatch is suitable for NR, IR, SBR, BR, NBR and EPDM.

Rubber compounds containing TBBS have less scorch tendency than CBS, and can be more safely processed. Besides, the speed of cure is almost the same as CBS.

Mixland®^{NEWGEN} TBBS masterbatch imparts excellent cured physical properties including the greatest tensile stress among the sulfenamide-type accelerator.

In vulcanisation, Mixland®^{NEWGEN} TBBS masterbatch readily disperses in rubbers. Recommended quantity is almost 10 % lower than CBS. It is normally used alone but can be activated by small quantities of thiurams, dithiocarbamates, aldehyde amines or guanidines in tire compounds or industrial rubber products.

APPLICATIONS :

Tire treads, industrial goods, carcass, mechanicals and wire jackets, cable and wire insulation.

TYPICAL VALUES :

Melting point : 105° C
Purity : 95 %
Specific gravity : 1.3

REMARKS :

Non-staining, non-discolouring.

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>
TBBS 75 G	75	Beige (N)	15	1.12

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 : 1 year 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 TBBS