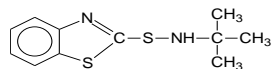


## TBBS MASTERBATCH

Nitrosamine-safe sulfenamide accelerator



### PROPERTIES:

Mixland+® TBBS masterbatch is a general purpose primary accelerator combining a fast cure with a delayed action.

Mixland+® TBBS masterbatch is very safe at processing temperatures, but produces high modulus compounds at curing temperatures.

Mixland+® 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. It could easily replace MBS.

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

In vulcanisation, Mixland+® TBBS masterbatch readily disperses in rubbers. Recommended quantity is almost 10 % lower than CBS. It 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

(N-Tert-Butyl-2-Benzothiazole Sulfenamide)

C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>S<sub>2</sub>

M.W.: 238

CAS: 95-31-8

EINECS: 202-409-1

ACTIVE MATERIAL

### PRODUCT

Active Content (%)

Colour  
N for Natural  
P for Pigment

Filtration (microns)

Binder

Mooney ML (1+4)  
50°  
Typical Value

Density  
Typical

**TBBS 75 GA F200**

75

Beige (N)

200

E/AA

30

1.16

**GA:** Pellets on ethylene-alkyl-acrylate binder

### SAFETY & TOXICITY:

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

### 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

MASTERBATCH

### 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.

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.