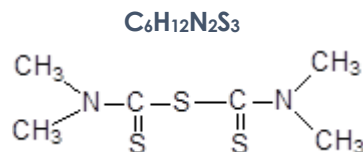


# TMTM masterbatch (Thiuram accelerator)

- TETRAMETHYL THIURAM MONOSULFIDE
- Molecular Weight : 208
- CAS : 97-74-5
- EINECS : 202-605-7



PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (µm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
TMTM 80 GA F500	80	Yellow* (N)	500	20	1.24

GA: Granules co-polymer of acetate/acrylate & polyethylene

\*Depending on natural variation of TMTM

## ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 106 °C
- Purity : 97%

## REMARKS

Non-staining  
Non-discolouring  
Slightly blooming  
Odourless

## PROPERTIES

Mixland+® TMTM masterbatch is generally used as a secondary accelerator or as a booster for sulfenamides to achieve faster cure rates. It can be used as a booster for thiazoles and guanidines in general purpose elastomers as well. Its main application is in NBR in combination with MBT or MBTS where it acts as an activator and gives excellent balance of physical properties. In comparison with other thiurams, Mixland+® TMTM masterbatch has very good processing safety, high curing activity and absolutely no discoloration. Being a monosulfide, TMTM will not cure completely without sulfur. It increases the cure rate and the torque, like other thiurams, but with a much smaller reduction in scorch time. It is also a primary accelerator for CR together with DPG or DOTG. Especially in mercaptan-modified polychloroprene rubbers, it may be used together with DOTG and sulfur to give very safe processing compounds.

It is suitable for NR, IR, BR, SBR, NBR, IIR and EPDM.

It has a slight blooming tendencies which can be reduced by addition of sulfenamides.

Vulcanization is activated at temperatures above 120° C but it is optimum starting from 135° C.

## APPLICATIONS

Suitable for transparent and light coloured products, footwear, cables and wires, tire treads, druggist sundries, sponge, toys, etc...

## PACKAGING & STORAGE

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

## MIXLAND+® MASTERBATCH ALLOWS:

- Dust free products with a high level of filtration up to 100µ
- 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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