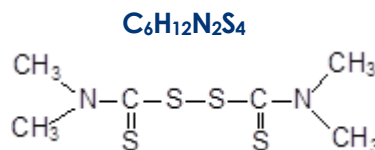


TMTD masterbatch (Thiuram accelerator & sulfur donor)

- TETRAMETHYL THIURAM DISULFIDE
- Molecular Weight : 240
- CAS : 137-26-8
- EINECS : 205-286-2



PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (μm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
TMTD 80 GA F140	80	Light orange* (P)	140	20	1.27

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

* Depending on natural variation of TMTD

ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 148 °C
- Purity : 96%

REMARKS

- Non-staining
- Non-discolouring

PROPERTIES

Mixland+® TMTD masterbatch is used as an ultra-accelerator or as a booster of multi-accelerator blends with thiazoles and sulfenamides, and as a vulcanization agent (sulfur donor) in most of the sulfur cured elastomers. It gives fast vulcanizations and therefore short processing times (scorchy).

It gives an excellent vulcanization plateau with good heat ageing and compression set resistance for use in sulfurless vulcanization and in EV systems. Excellent colour is obtained in carbon black-free vulcanisates.

In EPDM, Mixland+® TMTD masterbatch is a valuable secondary accelerator. In the vulcanization of CR with ETU, it is often used as a retarder. It is suitable for NR, SBR, IR, BR, NBR, IIR and EPDM.

It readily disperses in rubbers. It liberates 13.3 % of sulfur at vulcanization temperatures. It is activated by aldehydeamine and guanidine accelerators. ZnO and stearic acid are required, whereas litharge tends to slow down vulcanization.

APPLICATIONS

Insulated electric wires, high-heat resistant products, tyres, tubes, cable, footwear, transparent articles, 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 100 μ
- 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.

Issued 14 dated March 2020

TECHNICAL DATA SHEET

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