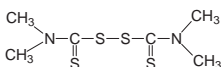


TMTD masterbatch

Thiuram accelerator and sulphur donor

ACTIVE MATERIAL



Tetramethylthiuram disulfide
C₆H₁₂N₂S₄
M.W. : 240
CAS : 137-26-8
EINECS : 205-286-2

PROPERTIES :

Mixland®^{NEWGEN} TMTD masterbatch is used as an ultra accelerator or as a booster of multi-accelerator blends with thiazoles and sulfenamides, and as a vulcanisation agent (sulphur donor) in most of the sulphur cured elastomers. It gives fast vulcanisations and therefore short processing times (scorchy).

Mixland®^{NEWGEN} TMTD masterbatch gives an excellent vulcanisation plateau with good heat ageing and compression set resistance for use in sulphurless vulcanisation and in EV systems. Excellent colour is obtained in carbon black-free vulcanisates.

In EPDM, Mixland®^{NEWGEN} TMTD masterbatch is a valuable secondary accelerator. In the vulcanisation of CR with ETU, it is often used as a retarder.

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

Mixland®^{NEWGEN} TMTD masterbatch readily disperses in rubbers. It liberates 13.3 % of sulphur at vulcanisation temperatures. It is activated by aldehydeamine and guanidine accelerators. ZnO and stearic acid are required, whereas litharge tends to slow down vulcanisation.

APPLICATIONS :

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

TYPICAL VALUES :

Melting point : 148° C
Purity : 96 %
Specific gravity : 1.42
Sulphur content : 42.5 %

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>
TMTD 80 G	80	Light orange (P)	15	1.265

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 TMTD