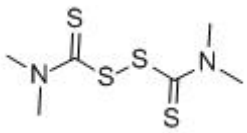
ACT 28-2

ACTMIX TMTD-80GN F140

Accelerator TMTD (TT)

ACTIVE MATERIAL



Tetramethylthiuram disulfide

$C_6H_{12}N_2S_4$

M.W.: 240.43

CAS: 137-26-8

EINECS: 205-286-2

PROPERTIES:

TMTD can extremely accelerate curing rate of natural and synthetic rubber and has good scorching safety. It almost does't affect degree of cross-linking but lower scorching rate and extend total curing time when thiols or sulfenamides is added in. Aldehyde-amines and guanidines alkaline accelerators can activate TMTD. It is a primary accelerator with sulfur, a secondary accelerator with thiazoles and a vulcanizer in sulfurless vulcanization. Sulfurless or low-sulfur vulcanization can provide excellent heat aging resistance properties for vulcanizates.

DOSAGE:

Primary accelerator: 0.1-1phr with 1-3phr sulfur;

For sulfurless heat-resistant rubber compounds: 2.5-4phr with 0.5phr MBT.

TYPICAL VALUES:

Initial melting point: 141℃

Purity: Min 98%

Ash content: Max 0.3%

Heating loss content: Max 0.3%

63μm sieve residue: Max 0.5%

MASTERBATCH

PRODUCT	Active Content (%)	Appearance	Filtration (μm)	Binder	Sulfur Content (%)	Density (g/cm^3)
Actmix® TMTD-80GN F140	80	Grey-white Granules	140	NBR	41.0	1.19

* Binder type can be customized. Except NBR, others binders, such as EPDM/EVM, SBR also can be available for.

SAFETY&TOXICITY:

Please refer to related SDS.

PACKAGING&STORAGE:

Net weight 25kg/PE bags lined carton; Net weight 600 kg/pallet.

Shelf-life: 1 year in its original packaging

Stored in a dry and cool place.

Compared to traditional TMTD powder, Actmix®TMTD-80GN F140 allows:

Dust free products with a complete filtration up to 100μm, no skin sensitization, health guard of operators.

Effective guarantee of activity of TMTD due to pre-dispersed masterbatch.

Tack free products at room temperature, convenience and accuracy on ingredients.

Lower Mooney viscosity at lower temperature (50℃), higher quality of dispersion.

Impurity free, blocked filter free of extrusive products, scrap rate reduction and higher productivity thanks to filtration.

Wider compatibility with other elastomers.

G: granule, P: plate, E: EPDM binder, N: NBR binder, S: SBR binder, A: ACM binder, EO: ECO binder, F140: filtration and micron number of filter

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