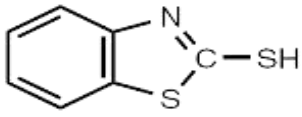
ACTMIX MBT-80PE F140

Accelerator MBT (M)

ACTIVE MATERIAL



2-Mercaptobenzothiazole
$C_7H_5O_2NS_2$
M.W.: 167.25
CAS: 149-30-4
EINECS: 205-736-8

PROPERTIES:

MBT is a quasi-ultrafast, multi-functional accelerator which has longer plateau of vulcanizing period to provide excellent physical and mechanical properties to vulcanizates. It is used as antiscorching agent for sulfurless rubber compounds and as a vulcanization retarder for CR compounds. Alkaline accelerators such as aldehyde-amines and guanidines and thiurams, dithiocarbamates can activate MBT.

DOSAGE:

Primary accelerator for NR and SBR: 1.0-2.0phr with 2.0-3.0phr sulfur; for IIR: 0.5-1phr with 0.5-1.5 TMTD-80 and 1-2phr sulfur.

APPLICATIONS:

Various industrial products such as hoses, conveyor belting, transmission belting, cable jackets.

TYPICAL VALUES:

Melting point: 170℃
Purity: Min 98%
Ash content: Max 0.5%
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 MBT-80PE F140	80	Light-yellow to yellow Plate	140	EPDM/EVM	29.5	1.20

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

SAFETY&TOXICITY:

Please refer to related SDS.

PACKAGING&STORAGE:

Net weight 25kg/PE bags lined carton; Net weight 600kg/pallet.
Shelf-life: 1 year in its original packaging
Stored in a dry and cool place.

Compared to traditional MBT powders, Actmix MBT-80PE F140 allows:

Dust free products with a complete filtration up to 100μm, avoid bitter taste from inhalation, health guard of operators.
Effective guarantee of activity of MBT 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

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from references. Therefore it is not valid legally and does not signify any guarantee to customers of successful applications of the product according to their own formulas. However, our company will offer professional services in technology at utmost to facilitate customers to achieve expected purpose of product applications.

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