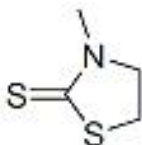


ACTMIX MTT-80GE F500

Accelerator MTT (CRV/LG)

ACTIVE MATERIAL



3-Methyl-Thiazolidine-Thione-2

C₄H₇NS₂

M.W.: 133.24

CAS No.: 1908-87-8

EINECS No.: 217-614-1

PROPERTIES:

MTT is a kind of thiazole heterocyclic compounds. The compounds containing active sulfur atoms, can cross-linking with polymer containing halogen, especially for CR. In the process of CR vulcanization, together with metal oxide (such as zinc oxide, magnesium oxide or lead oxide), can achieve a high degree of crosslinking in a short time. It is a environment-friendly accelerator that can substitute thiourea type accelerator ETU.

DOSAGE:

CR:100phr,Zinc oxide 5phr or magnesium oxide 4phr or lead oxide 20phr,0.4-1.5phr MTT

In the low content rubber of mixing rubber or added the light color packing of mixing rubber,to achieve the best machining performance,0.5-1.0phr MTT, 0.2-1.0 phr sulfur

TYPICAL VALUES:

Malting point: 65°C
Purity: Min 98%
Ash content: Max 0.5 %
Heat loss: Max 0.5 %
140µm sieve residue: Max 0.3 %

MASTERBATCH

PRODUCT	Active Content (%)	Appearance	Filtration (µm)	Binder	Sulfur Content (%)	Density (g/cm ³)
Actmix MTT-80GE F500	80	White or Grey Granules	500	EPDM/EVM	37.0	1.05

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

SAFETY&TOXICITY:

Please refer to related SDS.

PACKAGING&STORAGE:

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

Shelf-life: 1 year in its original packaging.

Stored in a dry and cool place.

Compared to traditional MTT powder, Actmix MTT-80GE F500 allows:

Dust free products with a complete filtration up to 140µm, no skin sensitization, health guard of operators.

Effective guarantee of activity of MTT-80 due to pre-dispersed masterbatch.

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

Lower Mooney viscosity at lower temperature (50°C), 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, F500: 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.