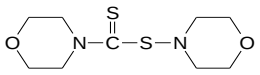
MLPC INTERNATIONAL ARKEMA GROUP

MIXLAND+®

OTOS MASTERBATCH

Thiocarbamyl sulfenamide accelerator

ACTIVE MATERIAL



N-Oxydiethylenethiocarbamyl-N'-Oxydiethylenesulfenamide

$C_9H_{16}N_2O_2S_2$

M.W.: 248

CAS: 13752-51-7

EINECS: 237-335-9

PROPERTIES:

Mixland+® OTOS masterbatch is a thiocarbamyl sulfenamide accelerator. Mixland+® OTOS masterbatch is much more efficient than benzothiazole sulfenamide accelerators.

Mixland+® OTOS masterbatch produces vulcanisates with a high proportion of mono and disulfide crosslinks and it provides superior reversion resistance, low heat buildup and low compression set.

Mixland+® OTOS masterbatch also provides more delayed action and faster cures than most benzothiazole sulfenamides.

Mixland+® OTOS masterbatch can also be used as a sulfur donor to replace DTDM. OTOS can be used for all sulfur-cured rubbers.

Mixland+® OTOS masterbatch can be used alone as a primary accelerator. However, Mixland+® OTOS masterbatch is recommended to use it in combination with a benzothiazole accelerator, with which it interacts synergistically to develop optimized physical properties.

Mixland+® OTOS masterbatch offers excellent compound processing safety.

TYPICAL VALUES:

Melting point: 138°C

REMARKS:

Excellent storage stability

MASTERBATCH

PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (microns)	Binder	Mooney ML (1+4) 50° Typical value	Density Typical Value	Shore Hardness
OTOS 75 GA F200	75	White to greyish (N)	200	E/AA	35	1.24	35

GA: Pellets on ethylene-alkyl-acrylate binder

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 : 1 year in its original packaging
Store in a dry and cool place and away from direct sources of heat or sunlight.

Compared to a traditional EVA/EP(D)M binder, 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 other elastomers.

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TECHNICAL DATA SHEET

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