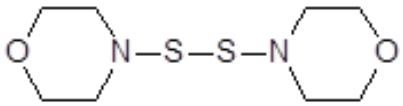
MIXLAND+® BY ARKEMA

DTDM masterbatch (Sulfur donor)

- **DITHIODIMORPHOLINE**
- **Molecular Weight** : **236**
- **CAS** : **103-34-4**
- **EINECS** : **203-103-0**

$C_8H_{16}N_2S_2O_2$



PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (µm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
DTDM 80 GA F200	80	White to beige* (N)	200	25	1.24

GA: Granules co-polymer of acetate/acrylate & polyethylene

** Depending on natural variation of DTDM*

ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 125 °C
- Purity : 97.5%

REMARKS

Non-blooming
Non-staining
Non-discolouring

PROPERTIES

Mixland+® DTDM masterbatch is a sulfur donor: it can be used for complete or partial sulfur replacement (together with sulfenamides, thiazoles or thiurams).
It leads to mono- and di-sulfur cross-links. The replacement of sulfur with DTDM gives longer scorch times and faster cure rates. These compounds will also exhibit superior green stock storage stability.
It is used for NR, IR, BR, SBR, NBR, IIR and EPDM. It can be used alone with NR and SBR.
It improves resistance to reversion and heat ageing, and imparts good cured physical properties, particularly low compression set.
It readily disperses in rubbers and is safe to process with.
It evolves at normal curing temperatures to produce active sulfur, and has no tendency to scorch and bloom.
It is an economic alternative to CLD, giving similar properties.

APPLICATIONS

Products produced by high temperature extrusion and injection moulding, technical articles, belts, hoses, tires, butyl tubes, cable and wire insulation, etc…

PACKAGING & STORAGE

PE bags weight : 20 kg net
Standard CP3 pallet : 640 kg - 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.

SAFETY & TOXICITY

For detailed information, please refer to our Material Safety Data Sheet.

MIXLAND+® MASTERBATCH ALLOWS:

- Dust free products with a high level of filtration up to 100µ
- Tack free products at room temperature
- Lower Mooney viscosity, improving quality of dispersion
- Scrap rate reduction thanks to filtration
- Wider compatibility with elastomers

Issued 14 dated March 2020 **TECHNICAL DATA SHEET**

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