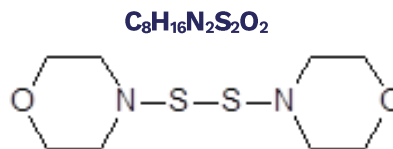


DTDM masterbatch (Sulfur donor)

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



PRODUCT	Active Content (%)	Color 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-discoloring

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

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from the literature but shall in no event be held to constitute or imply any warranty or undertaking. No liability whatsoever can be accepted with regard to the handling, processing or use of the products concerned, which must in all cases be employed with regard to all relevant regulations and/or legislation in the country or countries concerned.

Issued 15 dated March 2022

TECHNICAL DATA SHEET

MLPC International

209, Avenue Charles Despiau – 40370 Rion des Landes - France
Tel.: +33 (0)5 58 57 02 78 – Contact : commercial@mlpc-intl.com
<http://www.mlpc-intl.com>

ARKEMA

DISCLAIMER FOR MEDICAL DEVICE POLICY

The product described in the brochure is not Medical grade designated for Medical Device applications.

Arkema general Medical Devices Policy

Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications that are in contact with the body or circulating bodily fluids. Arkema has designated Medical grades to be used for such Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications that are in contact with the body or circulating bodily fluids. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.