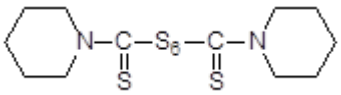
MIXLAND+®

# DPTT masterbatch (Thiuram accelerator & sulfur donor)

- **DIPENTAMETHYLENE THIURAM HEXASULFIDE**
- **Molecular Weight : 448**
- **CAS : 971-15-3**
- **EINECS : 213-537-2**

$C_{12}H_{20}N_2S_8$



| PRODUCT | Active Content (%) | Color N for Natural P for Pigment | Filtration (µm) | Mooney ML (1+4) 80°C Typical value | Density Typical value |
|---|---|---|---|---|---|
| DPTT 75 GA F140 | 75 | White to yellowish* (N) | 140 | 25 | 1.29 |

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

** Depending on natural variation of DPTT*

## ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 125 °C
- Purity : 98

## REMARKS

Non-staining
Non-discoloring

## PROPERTIES

Mixland+® DPTT masterbatch is the most active thiuram. It is an effective primary or secondary accelerator or sulfur donor for use in IIR, EPDM, NR, IR, SBR, CR, CSM, and particularly for NBR. For CSM, DPTT should be used together with MBTS to furnish higher safety in blending procedure.
It also yields white rubber with excellent resistance against weathering.
With NR and synthetic rubbers Mixland+® DPTT masterbatch vulcanises without sulfur at low temperatures and leads to products with good physical properties and superb resistance against ageing.
It is effective at low and high temperatures.
It is particularly suitable for light-colored stocks thanks to sieving of Ekaland™ DPTT raw material, Mixland+® DPTT masterbatch guarantees no defects on light-colored surface.

## APPLICATIONS

Products requiring ageing resistance, high heat resistant goods, hoses, profiles, CSM products (rubber-coated fabrics, goods for industrial use, cable and wire, etc...).

## PACKAGING & STORAGE

PE bags weight : 20 kg net
Standard CP3 pallet : 640 kg - Do not pile more than 2 pallets height
Shelf-life : **2 years** 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 13 dated March 2022** **TECHNICAL DATA SHEET**

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ARKEMA

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