

## SD masterbatch (Thiadiazole vulcanizing agent)

- **BIS DIMERCAPTOTHIADIAZOLE**
- **Molecular Weight** : 32
- **CAS** : 72676-55-2
- **EINECS** : 276-763-0



PRODUCT	Active Content (%)	Color N for Natural P for Pigment	Filtration (µm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
SD 75 GA F250	75	Yellow* (N)	250	15	1.46

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

\* Depending on natural variation of SD

### ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 162 °C
- Sulfur content : 64%

### PROPERTIES

Mixland+® SD masterbatch is as good as ETU in polychloroprene rubber, especially for mercaptan range.

Our recommendation is to use from 0.9 to 1.25phr.

It acts in synergetic effect with guanidine: DPG or CBS (0.2 to 0.3 phr). A little quantity of sulfur (~0.2 phr) can be added for compression set and oil swelling for high requirements. MBTS or PVI can be used to increase the scorch time.

With Mixland+® SD masterbatch, we can reduce ZnO quantity without decreasing properties, improving environmental footprint. For other synthetic rubbers NR, IR, BR and SBR, Mixland+® SD masterbatch is also a good sulfur donor. By the way, DPG or CBS can boost it in these rubbers.

It can also be used as efficient booster for replacing ETU for EPDM profile always in association with DPG or CBS.

### APPLICATIONS

Buffers, conveyor belting, seals, hoses, profiles, cable sheathing, 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 : **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.

## NITROSAMINE FREE

### 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.

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TECHNICAL DATA SHEET

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**ARKEMA**

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