



# Rongxin Technology Co., Ltd.

Tel: 0086-392-2632999

Fax: 0086-392-2288878

E-mail: [sales@hrongxin.xin](mailto:sales@hrongxin.xin)

<http://www.hrongxin.xin>

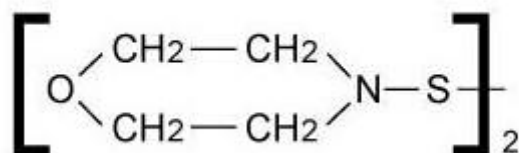


## Vulcanising Agent DTDM

**Chemical Name:** 4,4'-dithiodimorpholine

**Molecular Formula:** C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub>

**Structure:**



**Molecular Weight:** 236.37

**CAS NO.:** 103-34-4

**Quality Standard:** HG/T 4389-2012



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## Specification:

| Item                          | Specification                 |                   |
|-------------------------------|-------------------------------|-------------------|
|                               | Oil extension                 | Non Oil extension |
| Appearance(Visual inspection) | White or light yellow crystal |                   |
| Initial M.P. °C≥              | 120                           | 120               |
| Ash%≤                         | 0.30                          |                   |
| Heating Lose%≤                | 0.5                           | 0.5               |
| Sulfur Content%               | 25-29                         | 25-29             |
| Oil Content%                  | 1-2                           |                   |
| Fineness through (250) %≥     | 99.0                          |                   |

**Properties:** White or light yellow crystals. Relative density: 1.32-1.38g/cm<sup>3</sup>. Soluble in alcohol and acetone, benzene, ethylene dichloride; Insoluble in water and fatty. No poison.

**Application:** It is used as the rubber accelerator and vulcanized agent of natural rubber, synthetic rubber. Under the curing temperature, it can release active sulfur, effective sulfur content is about 27%. It has operating safety, curing speed is slow when it is used alone. The curing speed can be arise when used with thiazole, thiurams, dithiocarbamates. There are many advantages, such as no-spray, no-pollution, no discolor, ease to disperse. It is especially suitable to butadiene rubber. It is mainly used to manufacture tyres, inner tube, rubber belt, heat-resistance rubber products, etc..

**Packaging:** 25kg plastic woven bag lined with plastic film bag, kraft paper bag or jumbo bag.

**Storage:** The product should be sealed and stored in the dry and cooling place with good ventilation, avoiding exposure of the packaged product to direct sunlight. The validity is one year.