

## PENTOCURE® Technical Data Sheet

## **Accelerators**

**Pentocure - DTDM** 

**Composition** : 4,4' Dithiomorpholine

**Specification**: Color: Yellowish to White

Appearance : Powder

Melting Point : 120 - 131 °C
Ash Content : 0.5 % Max
Heat Loss : 0.5 % Max

**Dosage** 

In Natural rubber: 1.0 – 2.0 phr;
In Synthetic polymers, 1.0 phr

Uses and Benefits :

- Pentocure DTDM used under normal curing conditions liberates free sulfur which, in contrast to normal sulfur, mainly forms mono- and disulfide bridges and these are responsible for excellent heat aging resistance of the vulcanizates.
- Pentocure DTDM causes no blooming effects which are generally observed when using thiuram disulfides as crosslinking agents. When the full curing temperature is reached, a quick vulcanization follows.
- Pentocure DTDM provides rapid cure rate with a long scorch safety. It is activated when used with Thiazole, Thiuram and Dithiocarbamate type accelerators.
- Pentocure DTDM is non-staining, non-discoloring, nonblooming and the master batch is easy to disperse.
- In general, the use of Pentocure DTDM is recommended whenever favorable compression set behavior and advantageous aging behavior is required.

**Packing** 

: 25kg Polylinedpolywoven bag / Polylined paper bag.

Storage stability

: Up to 1 year in normal storage conditions.

Handling

: Consult material safety data sheet (MSDS) for additional handling information for Pentocure – DTDM.

## **PUKHRAJ ADDITIVES LLP**

An ISO 9001:2008 Certified Company

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