

# Sovchem<sup>®</sup> DTDM Powder

Manufacturer: Sovereign Chemical Company  
 Classification: Sulfur Donor  
 CA Nomenclature: Morpholine, 4,4'-dithiobis  
 Chemical Synonyms: Morpholine disulfide

Specification Properties	Value	Test Method
Ash Content, %	0.3 maximum	GB11409.7-89
Assay, %	97.5 minimum	HG/T 4389-2012
Heat Loss, %	0.3 maximum	GB11409.4
Melting Point (Final), °C	124-128	GB11409.1
Melting Point (Initial), °C	118-130	GB11409.1
Other Polydithio-dimorpholines, %	1.0 maximum	HG/T 4389-2012
Sieve Residue on 160µ, %	0.1 maximum	GB11409.5-89
Sulfur Content, %	26-29	HG/T 4389-2012
4,4'-tetrathio-dimorpholine, %	1.5 maximum	Q/PWH012-2007
Typical Properties	Value	Test Method
Physical Form	White powder	Visual
Specific Gravity	1.36	Typical

## > APPLICATIONS

**Uses:** Sulfur donor vulcanizing agent for efficient vulcanization and semi-efficient vulcanization cure system, provide heat/reversion/aging resistance in NR and synthetic rubbers, non-blooming.

## > PACKAGING AND STORAGE

**Packaging:** 25 kg (55.1 lb.) bags.

**Shelf Life:** 1 year from date of manufacture if stored as indicated below.

**Storage:** Product should be stored in cool, dry place with good ventilation, avoiding exposure of the packaged product to direct sunlight.

**Specification Date:** April 12, 2022 (Supersedes August 27, 2015)