

# Sovchem<sup>®</sup> TMTD Granule

Manufacturer: Sovereign Chemical Company  
 Classification: Thiuram accelerator and sulfur donor  
 CA Nomenclature: Tetramethylthiuram disulfide  
 Synonym Nomenclature: Thioperoxydicarbonic diamide tetramethyl, thiram

Specification Properties	Value	Test Method
Ash Content, %	0.30 maximum	ASTM D4574
Granular Rigidity, N	1.0 maximum	Supplier
Heat Loss, %	0.30 maximum	ASTM D4571
Melting Point (Initial), °C	140 minimum	ASTM D1519
Purity, %	96 minimum	Supplier
Typical Properties	Value	Test Method
Physical Form	White to off white granule	Visual

## > APPLICATIONS

**Uses:** Fast-curing ultra-accelerator for NBR, EPDM and most other polymers. May be used alone or with thiazoles. Cure modifier in CR: retards G types, accelerates W types. TMTD can also act as a sulfur donor for semi-EV and EV type cure systems. Vulcanizates that are cured with TMTD used as an accelerator with little or no sulfur have excellent aging properties.

**Polymers:** Natural rubber and most synthetic elastomers.

**Synergism:** Synergistic with thiazole accelerators.

**Cure Effect:** Gives a tight cure with good compression set, high modulus, good color and age resistance.

**Crosslink Type:** TMTD promotes mono-sulfidic crosslinks which give good aging properties.

## > FDA REGULATIONS

177.2600 Food contact surface component

175.105 Adhesives component, indirect food additive

## > PACKAGING AND STORAGE

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

**Shelf Life:** 2 years from date of manufacture if stored as indicated below.

**Storage:** Store in unopened original packaging in a cool dry place.

**Specification Date:** November 11, 2019