

Sovchem[®] TMTD Oiled Powder

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
Additive, %	1-2	
Ash Content, %	0.35 maximum	ASTM D4574
Assay, %	96 minimum	Supplier
Heat Loss, %	0.5 maximum	ASTM D4571
Melting Point (Final), °C	157 maximum	ASTM D1519
Melting Point (Initial), °C	142 minimum	ASTM D1519
Sieve Retention on 100 mesh, %	0.2 maximum	ASTM D5461
Typical Properties	Value	Test Method
Physical Form	White to off white powder	Visual
Specific Gravity	1.42	Typical

> 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: June 1, 2011 (Supersedes September 23, 2004)