

Dimacit TMTD-OP

Manufacturer: Taminco, A Subsidiary of Eastman Chemical Company
 Classification: Thiuram accelerator and sulfur donor
 CA Nomenclature: Tetramethylthiuram disulfide
 Chemical Synonyms: Thioperoxydicarbonic diamide tetramethyl, thiram

Specification Properties	Value	Test Method
Ash Content, % by mass	0.4 maximum	09E3119
Assay, % by mass	96 minimum	09E3111
Heat Loss, % at 60°C	0.3 maximum	09E3112
Melting Point, °C	142-158	09E3113
Petroleum ether extract, %	1.0-2.75	09E3136
Wet sieve retention, % on 150 µm	0.05 maximum	09E3135
Typical Properties	Value	Test Method
Physical Form	Cream-white powder	Visual
Specific Gravity	1.42	Typical

> APPLICATIONS

Uses: Fast-curing ultra-accelerator for NBR, EPDM and most other polymers. TMTD 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: 20 kg (44.09 lb.) bags.

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

Storage: Store in unopened original packages in a cool dry place.

Specification Date: July 21, 2020 (Supersedes July 13, 2011)