

# Sovchem<sup>®</sup> TETD Pellet

Manufacturer: Sovereign Chemical Company  
 Classification: Thiuram Accelerator  
 CA Nomenclature: Tetraethyl thiuram disulfide  
 Chemical Synonyms: Bis (Diethylthiocarbamyl) Disulfide

Specification Properties	Value	Test Method
Ash Content, %	0.3 maximum	GB11409.7-89
Assay, %	99 minimum	Supplier
Granule diameter, mm	2.5 minimum	Supplier
Heat Loss, %	0.3 maximum	GB11409.4
Melting Point (Final), °C	67-71	GB11409.1
Melting Point (Initial), °C	66 minimum	GB11409.1
Typical Properties	Value	Test Method
Physical Form	Light yellow pellet	Visual
Specific Gravity	1.30	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. TETD can also act as a sulfur donor for semi-EV and EV type cure systems. Vulcanizates that are cured with TETD used as an accelerator with little or no sulfur have excellent aging properties. TETD has more scorch safety than TMTD but you need approximately 10% more TETD to get the same state of cure as TMTD.

**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:** TETD promotes mono-sulfidic crosslinks which give good aging properties.

## > 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 packages in a cool dry place.

**Specification Date:** December 8, 2014 (Supersedes May 3, 2012)