

Sovchem[®] TDEC Powder

Manufacturer: Sovereign Chemical Company
 Classification: Dithiocarbamate Accelerator
 CA Nomenclature: Tellurium diethyldithiocarbamate
 Synonym Nomenclature: Tellurium, tetra (diethyldithiocarbamate)

Specification Properties	Value	Test Method
Heat Loss, %	0.5 maximum	GB11409.4
Melting Point (Initial), °C	105 minimum	GB11409.1
Sieve Retention on 150μ, %	0.1 maximum	GB11409.5-89
Sieve Retention on 63μ, %	0.5 maximum	GB11409.5-89
Tellurium Content, %	16.5-19.0	Supplier
Typical Properties	Value	Test Method
Physical Form	Yellow Powder	Visual

> APPLICATIONS

Uses: Ultra accelerator that is activated at low temperatures. Can be used as a primary and a secondary a

Polymers: Natural rubber and most synthetic elastomers. Also used in latex. Especially good with slow curing polymers such as EPDM and butyls.

Synergism: TDEC is synergistic with thiazoles where it is used as a secondary accelerator. Thiurams can be used to slightly delay the scorch of dithiocarbamates.

Cure Effect: Promotes a fast cure that is activated at low temperatures.

Crosslink Type: Dithiocarbamates promote predominately mono-sulfidic crosslinks that are good for heat aging resistance and low compression set. They promote high crosslink densities.

> PACKAGING AND STORAGE

Packaging: 25 kg (55.1 lb.) bags.

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

Storage: Store in unopened original packaging in a cool, dry, well ventilated area away from direct sunlight.

Specification Date: January 9, 2017 (Supersedes March 31, 2011)