

Sovchem[®] DPTU Powder

Manufacturer: Sovereign Chemical Company
 Classification: Thiourea Accelerator
 CA Nomenclature: N-N'-diphenyl thiourea
 Chemical Synonyms: Diphenyl thiourea

Specification Properties	Value	Test Method
Ash Content, %	0.3 maximum	GB11409.7-89
Assay, %	98 minimum	
Heat Loss, %	0.3 maximum	GB11409.4
Melting Point (Initial), °C	148 minimum	GB11409.1
Sieve Residue on 150µ, %	0.1 maximum	GB11409.5-89
Sieve Residue on 63µ, %	0.5 maximum	GB11409.5-89
Typical Properties	Value	Test Method
Physical Form	White powder	Visual

> APPLICATIONS

Uses: Slowest of all thiourea type accelerators. Sovchem[®] DPTU Powder can be used in dry rubbers and latex. Sovchem[®] DPTU Powder is effective at low temperatures and can be used in room temperature vulcanizations of thin articles such as coated fabric. Sovchem[®] DPTU Powder can be used in tire retreads, cellular articles, coated fabrics thick articles, glues and electrical tapes. Its vulcanizates have good heat stability.

Polymers: CR, EPDM

Cure Effect: Fast accelerator.

Recommended Dosage:

Use 1 to 2.5 phr with 3 to 5 phr Sulfur

Use 1 to 5 phr in polychloroprene latex

> 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: March 29, 2011 (Supersedes January 25, 2011)