

Sovchem[®] TBBS Granule

Manufacturer: Sovereign Chemical Company
 Classification: Sulfenamide Accelerator
 CA Nomenclature: N-t-butyl-2-benzothiazolesulfenamide

Specification Properties	Value	Test Method
Ash Content, %	0.4 maximum	ASTM D4574
Assay, %	95 minimum	ASTM D4936
Free Amine, %	0.4 maximum	ASTM D4936
Heat Loss, %	0.4 maximum	ASTM D4571
Melting Point (Final), °C	107-113	ASTM D1519
Melting Point (Initial), °C	104 minimum	ASTM D1519
Methanol Insolubles, %	1.5 maximum	ASTM D4934
Typical Properties	Value	Test Method
Physical Form	Off white to cream granule	Visual
Specific Gravity	1.26-1.32	Typical

> APPLICATIONS

Uses: Delayed-action sulfenamide accelerator. TBBS has the ability to provide fast efficient mixing of difficult, highly loaded carbon black reinforced compounds without sacrificing scorch safety or physical properties. Its vulcanizates have good reversion and aging resistance.

Polymers: Natural rubber and most synthetic elastomers. Especially good with SBR.

Synergism: TBBS cure performance can be boosted with thiuram or guanidine accelerators.

Cure Effect: Promotes a fast cure rate with good scorch safety. Can use 10% less TBBS than CBS.

Crosslink Type: TBBS promotes a balance of mono-, di- and poly-sulfidic crosslinks resulting in vulcanizates with a good balance between heat aging resistance and tear resistance.

> 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 packages in a cool dry place.

Specification Date: June 7, 2011 (Supersedes April 25, 2011)