

Accelerator TBSI

Manufacturer: Shandong Yanggu Huatai Chemical Co., LTD.
Classification: Rubber Accelerator
Chemical Composition: N-tert-Butyl-2-benzothiazolesulfenimide

Specification Properties	Value
Ash Content, %	0.5 maximum
Heat Loss, %	0.5 maximum
Melting Point, °C	128 minimum
Purity, %	88 minimum
Sieve Residue on 80 mesh, %	0.5 maximum
Typical Properties	Value
Physical Form	Off white to light yellow brown powder

> APPLICATIONS

Protection: TBSI is a primary amine-based accelerator which does not generate the nitrosamines and it can replace NOBS which is carcinogenic. The rubber added with TBSI can obtain good scorch safety and lower vulcanization rate, and show good curing reversion resistance, high modulus and lower heat generation, which optimizes adhesion between rubber and brass coated steel cord. Its physical properties and dynamic properties of cured rubber are similar with NOBS and DCBS cured rubber. It can also replace the blend of primary amine accelerator TBBS or CBS and scorch retarder CTP and be used alone, which makes it ideal for thick articles requiring a balanced cure and provides improved reversion resistance both during extended cure times at elevated temperatures and during product service life. TBSI exhibits outstanding storage stability under hot and humid storage conditions.

Processing: TBSI, when used as a vulcanization accelerator, to ensure a good dispersion, it should be added at the beginning of the mixing cycle.

Recommended Dosage: NR: 0.5 – 1.5 phr IR: 0.5 – 1.5 phr
SBR: 0.5 – 1.5 phr
NBR: 0.5 – 1.5 phr
HNBR: 0.5 – 1.5 phr

Application: Used as a delaying-effect accelerator in NR, synthetic rubbers and reclaimed rubber.

> PACKAGING AND STORAGE

Packaging: 20 Kg (44.09 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: March 16, 2016