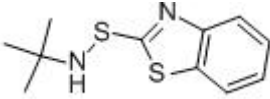


# ACTMIX TBBS-80GS

## Accelerator TBBS (NS)

A C T I V E M A T E R I A L	 <p>N-tert.-butyl-2-benzothiazol sulfenamide  <math>C_{11}H_{14}N_2S_2</math>  M.W.: 238.37  CAS: 95-31-8  EINECS: 202-409-1</p>	<b>PROPERTIES:</b>	<b>DOSAGE:</b>
		TBBS can lead to long scorching time of rubber compounds, high processing safety and fast cure rate. It can be used alone in low-sulfur vulcanization and can also be combined with dithiocarbamates or thiurams accelerators to improve aging resistance and modulus of generated vulcanizate. And this combination can significantly lower the vulcanization rate. Thioureas accelerators have obvious secondary acceleration to TBBS, especially in low-sulfur rubber compounds. TBBS can delay scorching in rubber compounds contained thiols and thiurams accelerators.	For NR: 0.5-1.0phr with 2.5-3.5phr sulfur; for SBR: 1-1.4phr with 0.2phr thiurams accelerators and 1.5-2.5phr sulfur.
			<b>APPLICATIONS:</b>
			Tyre treads, hoses, conveyor belting, shoes and other industrial products.
			<b>TYPICAL VALUES:</b>
			Melting point: Min 104°C Purity: Min 98% Ash content: Max 0.3% Heating loss content: Max 0.4% 63µm sieve residue: Max 0.5%

M A S T E R B A T C H	<b>PRODUCT</b>	Active Content (%)	Appearance	Filtration (µm)	Binder	Sulfur Content (%)	Density (g/cm <sup>3</sup> )	
	<b>Actmix® TBBS-80GS</b>	80	White to Beige Granules	-	SBR	21.5	1.08	
	* Binder type can be customized. Except SBR, others binders, such as NBR, EPDM/EVM also can be available for.							
	<b>SAFETY&amp;TOXICITY:</b>							
	Please refer to related SDS.							
	<b>PACKAGING&amp;STORAGE:</b>							
Net weight 25kg/PE bags lined carton; Net weigh 600 kg/pallet.								
Shelf-life: 1 year in its original packaging								
Stored in a dry and cool place.								

### Compared to traditional TBBS powders, Actmix®TBBS-80GS allows:

Dust free products with a complete filtration up to 100µm, no skin sensitization, health guard of operators.

Effective guarantee of activity of TBBS due to pre-dispersed masterbatch.

Tack free products at room temperature, convenience and accuracy on ingredients.

Lower Mooney viscosity at lower temperature (50°C), higher quality of dispersion.

Impurity free, blocked filter free of extrusive products, scrap rate reduction and higher productivity thanks to filtration.

Wider compatibility with other elastomers.

G: granule, P: plate, E: EPDM binder, N: NBR binder, S: SBR binder, A: ACM binder, EO: ECO binder.

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from references. Therefore it is not valid legally and does not signify any guarantee to customers of successful applications of the product according to their own formulas. However, our company will offer professional services in technology at utmost to facilitate customers to achieve expected purpose of product applications.