

Rhenogran® TBBS-80

Predispersed rubber chemicals and additives

Function

Accelerator for the vulcanization of natural and synthetic rubbers

Product description

Composition:	80 % N-tert.-butyl-2-benzothiazyl sulfenamide, 20 % elastomer binder and dispersing agents
Appearance:	beige granules
Density, 20 °C:	approx. 1.17 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Accelerator Rhenogran TBBS-80 provides a considerably long scorch time, excellent processing safety, and a fast full cure. Rhenogran TBBS-80 is used as single accelerator for the low-sulfur vulcanization or in combination with accelerators of the dithiocarbamate or thiuram class. The vulcanizates obtained show good aging resistance and good moduli. The curing rate of mixes containing Rhenogran TBBS-80 in combination with thiuram and dithiocarbamate is noticeably reduced. Thiourea has a strong secondary acceleration effect on Rhenogran TBBS-80, mainly in mixes with a low sulfur content. In compounds accelerated with mercaptanes and thiurams Rhenogran TBBS-80 may delay scorch.
Processing:	The thermoplastic, fully compatible elastomer binder in combination with special dispersing agents allow quick absorption and excellent dispersion in the compound. In this way, optimal activity of the effective substance is assured.
Dosage:	NR: primary: 0.5-1.0 phr with 2.5-3.5 phr sulfur secondary: 0.5 phr with 1.5-3.5 phr sulfur and 0.3 phr mercapto or thiuram accelerators SBR: 1.0-1.4 phr with 1.5-2.5 sulfur and 0-0.2 phr thiuram accelerators
Application:	Tire treads, air hoses, conveyor belts, footwear, and other technical articles

Packaging

25 kg paper bag on 1000 kg skid

Storage stability

In original closed containers under cool and dry conditions 730 days from date of production

Handling

For additional handling information on Rhenogran TBBS-80 please consult current safety data sheet.

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.



LANXESS Deutschland GmbH
Business Unit Rhein Chemie
Kennedyplatz 1
D-50569 Cologne, Germany
<http://rch.lanxess.com>