

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 sulphenamide (techn.) 20 % elastomer binder and dispersing agent
Appearance:	beige granules
Density, 20 °C:	approx. 1.17 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action: The curing accelerator Rhenogran TBBS-80 provides a considerably long scorch time, great processing safety and a fast full cure. Rhenogran TBBS-80 is used as a sole accelerator for the low sulphur vulcanization or in combination with dithiocarbamate or thiuram accelerators. The vulcanizates obtained have good ageing 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 containing little sulphur. In compounds which are accelerated with mercaptanes and thiurams, Rhenogran TBBS-80 may delay scorch.

Processing: The thermoplastic, fully compatible elastomer binder which is combined with special dispersing agents allow quick absorption and excellent dispersion in the rubber. 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 sulphur
secondary: 0.5 phr with 1.5 - 3.5 phr sulphur and 0.3 phr mercapto or thiuram accelerator

SBR:
1.0 - 1.4 phr with 1.5 - 2.5 sulphur and 0 - 0.2 phr thiuram accelerator

Application: treads, air hoses, conveyor belts, footwear and other technical articles

Packing

25 kg paper bags

Storage stability

In original closed containers under cool and dry conditions max. 2 years.

Handling

Consult material safety data sheet (MSDS) for additional handling information on Rhenogran TBBS-80.

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.



Rhein Chemie Corporation
145 Parker Court
Chardon, OH 44024
Phone: 440-285-3547
Fax: 440-285-2464
USA