

Rhenogran® MBS-80

Predispersed rubber chemicals and additives

Function

Accelerator for the vulcanisation of natural and synthetic rubbers

Product description

Composition:	80 % benzothiazyl-2-sulfene morpholide, 20 % elastomer binder and dispersing agents
Appearance:	pink granules
Density, 20 °C:	approx. 1.28 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action: The curing accelerator Rhenogran MBS-80 causes a considerably long scorch time, high processing safety and a fast cure.

Rhenogran MBS-80 is used as primary accelerator for the low-sulfur vulcanization or in combination with dithiocarbamate and thiuram accelerators. The vulcanizates obtained provide good aging resistance and compression set. The scorch times of mixes containing Rhenogran MBS-80 in combination with thiuram and dithiocarbamate accelerators are noticeably reduced.

Combinations of Rhenogran MBS-80 and Rhenogran TMTM-80 have proved to be particularly favorable. They cause very short curing times - though the mixes have good scorch resistance - and a very high degree of crosslinking, even at relatively small dosage. Thiourea derivatives have strong secondary acceleration effects on Rhenogran MBS-80, especially in compounds containing small amounts of sulfur. In mixes accelerated with mercaptanes and thiurams, Rhenogran MBS-80 may reduce the onset of cure.

Processing: The thermoplastic, fully compatible elastomer binder which is combined with special dispersing agents allows quick absorption and excellent dispersion in the rubber. In this way, optimal activity of the active substance is assured.

Dosage: in NR:
primary: 0.8-1.2 phr with 2.5-4 phr sulfur
secondary: 0.05-0.4 phr with 1-1.5 phr mercapto accelerator and 1.5-3 phr sulfur

in SBR:
0.1-0.4 phr with 1-1.5 phr mercapto accelerator and 1.5-2.5 phr sulfur

in NBR:
0.05-0.4 phr with 1.5-2.4 phr sulfur and 0.8-1.5 phr sulfenamide accelerator

Application: Treads, carcasses, conveyor belts, floor coverings, footwear, cable sheathings

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 MBS-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.



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