

Rhenogran® MBTS-70

Predispersed rubber chemicals and additives

Function

Accelerator for the vulcanization of natural and synthetic rubbers

Product description

Composition:	70 % mercaptobenzothiazole disulfide 30 % elastomer binder and dispersing agents
Appearance:	green granules
Density, 20 °C:	approx. 1.30 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenogran MBTS-70 is a versatile accelerator with good processing safety. It may be used alone or in conjunction with other accelerators. In combination with activated dithiocarbamates Rhenogran MBTS-70 prevents scorching. It is activated by thiurams, dithiocarbamates, and aldehyde amines. During the processing and vulcanization of CR compounds it has a retarding effect. When used with ultra-accelerators, Rhenogran MBTS-70 improves the processing safety. Vulcanizates produced with Rhenogran MBTS-70 show good aging properties.
Processing:	The thermoplastic polymer binder, in combination with special dispersing agents, is compatible with all common elastomers, allowing quick absorption and excellent dispersion in the rubber compound. In this way, optimal activity of the active substance is assured.
Dosage:	in NR: - primary: 1-2 phr with 2-3 phr sulfur - secondary: 0.5-1 phr with 1-2 phr sulfur and 0.2-0.5 phr dithiocarbamate accelerator in SBR: - primary: 1-3phr with 1-3 phr sulfur - secondary: 0.25-0.75 phr with 1-3phr sulfur and 0.3-0.6 phr sulfenamide accelerator in NBR: - primary: 1-2 phr with 0,2-2 phr sulfur - secondary: 0.75 phr with 0.2-2 phr sulfur and 0.3 phr sulfenamide in IIR: 0.25-1 phr with 1-2 phr sulfur

Application: Technical rubber articles of all kinds

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 MBTS-70 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>