

## Rhenogran® TBzTD-70

Predispersed rubber chemicals and additives

### Function

Accelerator of natural and synthetic rubber vulcanization; vulcanizing agent for vulcanization without free sulfur or for low-sulfur vulcanization

### Product description

Composition:	70 % tetrabenzylthiuram disulfide (TBzTD), 30 % elastomer binder and dispersing agents
Appearance:	beige granules
Density, 20 °C	approx. 1.16 g/cm <sup>3</sup>
Physiological properties:	see safety data sheet

### Use

Mode of action:	Rhenogran TBzTD-70 accelerates the vulcanization of natural and synthetic rubbers with a high level of processing safety. Rhenogran TBzTD-70 forms no carcinogenic nitrosamines. The addition of mercapto or sulfonamide accelerators decelerates the vulcanization process. Scorch and vulcanization times are reduced, the degree of crosslinking is slightly affected. Basic accelerators such as aldehydeamine and guanidine have an additional activating effect. Rhenogran TBzTD-70 is used as a primary accelerator in the presence of sulfur, as a secondary accelerator with thiazoles and as a sulfur-free vulcanizing agent. Crosslinking without free sulfur or low-sulfur crosslinking produce extremely heat-resistant vulcanizates with good ageing characteristics.
Processing:	Due to the thermoplastic base of the elastomer binder, which is compatible with all common types of rubber, and the special dispersing agents it contains, Rhenogran TBzTD-70 is readily absorbed and dispersed in the rubber, thus ensuring maximum efficacy.
Dosage:	Primary (in technical rubber articles): 0.1-2 phr Rhenogran TBzTD-70 and 3-1 phr Rhenogran S-80  Secondary: 0.1-0.5 phr Rhenogran TBzTD-70 and 1-1.5 phr Rhenogran MBTS-80  Without free sulphur (for heat-resistant compounds): 2.5-4 phr Rhenogran TBzTD-70 and 0.5-1 phr Rhenogran MBTS-80
Application:	Technical rubber articles of all kinds, heat-resistant technical articles, e.g. cable sheathing and insulation, hard rubber

## **Packaging**

25 kg paper bag on 500 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 TBzTD-70 please consult current safety data sheet.

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