

## Rhenogran® CBS-80

Predispersed rubber chemicals and additives

### Function

Accelerator for the vulcanization of natural and synthetic rubber

### Product description

Composition:	80 % N-cyclohexyl-2-benzothiazyl sulfenamide 20 % elastomer binder matrix
Appearance:	blue granules (color intensity may vary due to raw materials)
Density, 20 °C:	approx. 1,19 g/cm <sup>3</sup>
Physiological properties:	see safety data sheet

### Use

Mode of action:	<p>The curing accelerator Rhenogran CBS-80 provides a considerably long scorch time, great processing safety and a fast full cure. Rhenogran CBS-80 is used as a sole accelerator for the low-sulfur vulcanization or in combination with dithiocarbamate or thiuram accelerators. The vulcanizates obtained with Rhenogran CBS-80 provide good aging resistance and a good compression set.</p> <p>The scorch time of mixes containing Rhenogran CBS-80 in combination with thiuram and dithiocarbamate is noticeably reduced. Thiourea has a strong secondary acceleration effect on Rhenogran CBS-80, mainly in mixes containing little sulfur. In compounds accelerated with mercaptanes and thiurams, Rhenogran CBS-80 may delay scorch.</p>
Processing:	The thermoplastic, fully compatible elastomer binder in combination with special dispersing agents allows quick absorption and excellent dispersion in the polymer. In this way, optimal activity of the effective substance is assured.
Dosage:	<p>NR: primary: 0.5-1.0 phr with 2.5-3.5 phr sulfur secondary: 0.5 phr with 1.5-3.0 phr sulfur and 0.3 phr mercapto or thiuram accelerators</p> <p>SBR: 1.0-1.4 phr with 1.5-2.5 phr sulfur and 0-0.2 phr thiuram accelerator</p>
Application:	Tire treads, technical rubber components, e.g. air hoses, conveyor belts, footwear

## **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 CBS-80 please refer to current safety data sheet.

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