

## Rhenogran® ZBEC-70

Predispersed rubber chemicals and additives

### Function

Accelerator for the vulcanization of natural and synthetic rubbers

### Product description

Composition:	70 % zinc-dibenzyl-dithiocarbamate, 30 % elastomer binder and dispersing agents
Appearance:	white-grey granules
Density, 20 °C:	approx. 1.22 g/cm <sup>3</sup>
Physiological properties:	see safety data sheet

### Use

**Mode of action:** Rhenogran ZBEC-70 is a fast-acting dithiocarbamate accelerator which has not been found to produce any harmful N-nitrosamines. Rhenogran ZBEC-70 can be used as a primary or secondary accelerator both in natural and synthetic rubbers, e.g. EPDM, IR, SBR, NBR, IIR. Compared with conventional dithiocarbamate accelerators, Rhenogran ZBEC-70 has a high level of processing safety. Basic accelerators or Rhenogran Geniplex-70 have an activating effect on Rhenogran ZBEC-70. In compounds containing thiazole or sulfenamide accelerators, Rhenogran ZBEC-70 has an activating effect.

If equimolar quantities are used, vulcanizates containing Rhenogran ZBEC-70 demonstrate similar properties to other dithiocarbamates, therefore antioxidants should be used.

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

**Dosage:** The following proportions have proven to be successful (dosage in phr):

in EPDM:	
Rhenogran ZBEC-70	0.8-2.5
Rhenogran S-80	1.0-2.0
Rhenogran MBT-80	1.0-2.0
Rhenogran MBTS-80	1.0-2.0
Rhenogran CBS-80	0.5-1.5

in NR, SBR, NBR:	
Rhenogran ZBEC-70:	0.8-2.0
Rhenogran S-80:	1.0-2.0
Rhenogran MBT-80:	0.5-3.0
Rhenogran MBTS-80	0.5-3.0

Application: Suitable for technical rubber articles based on NR, EPDM, IR, SBR, NBR, or IIR. Particularly suitable for light or bright colored rubber articles

### **Packaging**

25 kg paper bags 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 ZBEC-70 please consult current safety data sheet.

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