

## Rhenogran® ZDMC-80

Predispersed rubber chemicals and additives

### Function

Accelerator for the vulcanization of natural and synthetic rubbers

### Product description

Composition:	80 % zinc dimethyl dithiocarbamate 20 % elastomer binder and dispersing agents
Appearance:	grey to yellowish granules
Density, 20 °C:	approx. 1.47 g/cm <sup>3</sup>
Physiological properties:	see safety data sheet

### Use

Mode of action:	Rhenogran ZDMC-80 causes very rapid vulcanization of natural and synthetic rubbers, e.g. SBR, NBR and EPDM. The addition of thiuram and thiazole accelerators retards the start of the vulcanization and increases processing safety. Rhenogran ZDMC-80 gives a longer scorch time and a faster total curing time than Rhenogran ZDBC-80, Rhenogran ZDEC-80 and Rhenogran ZEPC-80. Rhenogran ZDMC-80 receives an additional activation from basic accelerators. Rhenogran ZDMC-80 is also used in small amounts for secondary acceleration and for the activation of mixes, which are going to be cured with mercapto or thiuram accelerators. Rhenogran ZDMC-80 provides very good tensile and resilience properties. For improving the resistance to aging it is recommended to add antioxidants.
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 effective substance is assured.
Dosage:	in NR: 0.3-0.8 phr; as secondary accelerator: 0.05-0.3 phr in NBR, SBR: 0.8-1.2 phr; as secondary accelerator: 0.05-0.3 phr
Application:	Bright-colored articles, transparent articles, cables

### Packing

25 kg paper bags 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 ZDMC-80 please consult current safety data sheet.

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