

Rhenogran® ZDBC-80

Predispersed rubber chemicals and additives

Function

Accelerator for the vulcanization of natural and synthetic rubbers

Product description

Composition:	80 % zinc dibutyl dithiocarbamate 20 % elastomer binder and dispersing agents
Appearance:	white to yellow granules
Density, 20 °C:	approx. 1.16 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenogran ZDBC-80 causes very rapid vulcanization of natural and synthetic rubbers, e.g. SBR, NBR, and EPDM. The addition of thiuram and thiazole accelerators can retard the curing rate and, hence, increase processing safety. Rhenogran ZDBC-80 has a shorter scorch time and a slower total curing time than Rhenogran ZDEC-80, Rhenogran ZEPC-80 and Rhenogran ZDMC-80. Basic accelerators have an activating effect on Rhenogran ZDBC-80. Rhenogran ZDBC-80 is also used in small amounts for secondary acceleration and activation of mixes cured with mercapto or thiuram accelerators. Rhenogran ZDBC-80 gives the vulcanizates very good tensile and resilience properties. It is recommended to add antioxidants to improve resistance to aging especially of NR and IR.
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: 0.6-1.0 phr; as secondary accelerator: 0.1-0.2 phr In SBR/NBR: 0.6-1.2 phr; as secondary accelerator: 0.1-0.2 phr
Applications:	Technical articles of all kinds, e.g. footwear, cables

Packaging

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 ZDBC-80 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.



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