

Rhenogran® ZEPC-70

Predispersed rubber chemicals and additives

Function

Accelerator for the vulcanization of natural and synthetic rubbers

Product description

Composition:	70 % zinc ethylphenyl dithiocarbamate 30 % elastomer binder and dispersing agents
Appearance:	white to grey granules
Density, 20 °C:	approx. 1.34 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenogran ZEPC-70 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 vulcanization and increases processing safety. Rhenogran ZEPC-70 gives a longer scorch time and faster total curing time than Rhenogran ZDBC-80 and Rhenogran ZDEC-80. Rhenogran ZEPC-70 receives an additional activation from basic accelerators. Rhenogran ZEPC-70 is also used in small amounts for secondary acceleration and activation of mixes, which are going to be cured with mercapto or thiuram accelerators. Rhenogran ZEPC-70 gives very good tensile and resilience properties. For improving the resistance to aging, especially of NR und IR 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: 0.3-1.0 phr as secondary accelerator: 0.1-0.2 phr In SBR/NBR: 0.8-1.2 phr; as secondary accelerator: 0.1-0.2 phr
Application:	Technical rubber articles, transparent and light-colored vulcanizates, leisure articles

Packing

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 ZEPC-70 please consult current safety data sheet.

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