

## Rhenogran® CaO-80

Predispersed rubber chemicals and additives

### Function

Desiccant for rubber compounds of all kinds to prevent porosity

### Product description

Composition:	80 % calcium oxide 20 % elastomer binder and dispersing agents
Appearance:	off-white granules
Density, 20 °C:	approx. 2.25 g/cm <sup>3</sup>
Discolouration of vulcanizates:	none
Physiological properties:	see safety data sheet

### Use

**Mode of action:** Rhenogran CaO-80 is a desiccant supplied as polymer bound granules. Calcium oxide binds the moisture by the formation of calcium hydroxide. This enables the production of vulcanizates to be cured without pressure and which, otherwise, even in using vacuum extruders, show porosity due to the moisture still present in the compounds.

This is why Rhenogran CaO-80 is preferably used in extrusion compounds which have to be cured continuously either in open air, fluid beds, salt baths or UHF equipment. Rhenogran CaO-80 is also recommended for the use in expanded compounds, particularly in microcellular rubber, since Rhenogran CaO-80 provides a more uniform cell structure. Depending on the recipe of the compound it may have an accelerating effect.

**Processing:** The thermoplastic character of the polymer binder which is compatible with all conventional elastomers as well as the incorporated special dispersing agents ensure a quick absorption and an excellent dispersion in the rubber. Rhenogran CaO-80 is very easy to handle; it does not cake under normal storage conditions; it is free-flowing, non-dusting and disperses quickly in all compounds. It is recommended to add Rhenogran CaO-80 at the end of the mixing cycle.

**Dosage:** The usual dosage is between 2 and 10 phr. It is mainly determined by the expected moisture content which mostly depends on the amount and type of filler used.

**Application:** Technical rubber articles, e.g. profiles, seals, belts, straps, conveyor belts, rollers, cable coverings, rubber floorings

## **Packaging**

20 kg carton with aluminium coated bag inside on 960 kg skid; 20 x 1 kg low-melting EVA bag in carton on 1200 kg skid.

## **Storage stability**

In original closed containers under cool and dry conditions 365 days from date of production

## **Handling**

For additional handling information on Rhenogran CaO-80 please consult current safety data sheet.

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