

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:	grey granules
	Density, 20 °C:	approx. 2.25 g/cm ³
	Discolouration of vulcanizates:	none
	Physiological properties:	see safety data sheet
Use		
Mode of action:	Rhenogran CaO-80 is a desiccant provided in polymerbound granules. The thermoplastic character of the polymer binder which is compatible with all conventional elastomers as well as the incorporated special dispersing agents guarantee a quick absorption and an excellent dispersion in the rubber. 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 in the UHF equipment. Rhenogran CaO-80 can also be recommended for the use in expanded compounds, particularly in microcellular rubber, because Rhenogran CaO-80 provides a more uniform cell structure.	
Processing:	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. Depending on the recipe of the compound it may cause an accelerating effect. It is recommended to add Rhenogran CaO-80 at the end of the mixing cycle. At mixing temperatures exceeding 110 °C the PE-film will be absorbed by the hot rubber mix and can be incorporated without any difficulty.	
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:	extruded articles (profiles, seals), belts, straps, conveyor belts, rollers, cable coverings, rubber floorings	
Packing	20 kg cartons containing individually packed PE-bags of 1 or 2,5 kg	
Storage stability	In original closed containers under cool and dry conditions max. 6 months.	

Handling

Consult material safety data sheet (MSDS) for additional handling information on Rhenogran CaO-80.

® = registered trade mark

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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 rely on 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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