

Rhenofit® C

Specialty and standard chemicals

Function

Desiccant for rubber compounds of all kinds to prevent porosity

Product description

Composition:	95 % calcium oxide (CaO) 5 % special dispersing agents
Appearance:	grey, non-dusting powder
Sieve residue, 63µm:	max. 0.3%
Density, 20 °C:	approx. 2.8 g/cm ³
Discoloration of vulcanizates:	none
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenofit C is a calcium oxide coated with special dispersing agents, which is particularly suitable for the use in the rubber industry. The dispersing agents used for Rhenofit C are compatible with all polymers. Calcium oxide (CaO) absorbs the moisture by forming calcium hydroxide. This enables the production of vulcanizates to be cured without pressure and which, otherwise, even using vacuum extruders, show porosity due to the moisture still present in the compounds. This is why Rhenofit C 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. Rhenofit C can also be recommended for the use in expanded compounds (sponge rubber or foam rubber) because Rhenofit C provides a more uniform cell structure.
Processing:	Rhenofit C is easy to incorporate and to disperse. Depending on the recipe of the compound Rhenofit C may have an accelerating effect. It is recommended to add Rhenofit C at the end of the mixing cycle. At mixing temperatures of over 110 °C the PE-foil will be absorbed by the hot rubber mix and can be incorporated without any difficulty.
Dosage:	The usual dosage is 2-10 phr. It is mainly determined by the expected moisture content which mostly depends on the amount and type of filler used.
Application:	Extruded articles (e.g. profiles, seals), belts, straps, conveyor belts, rollers, cable coverings, rubber floorings

Packing

20 kg carton with PE bag inside on 1000 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 Rhenofit C 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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