

Rhenofit® F

Specialty and standard chemicals

Function

Crosslinking modifier and desiccant for the use in fluoro elastomers.

Product description

Composition:	specially treated finely divided calcium oxide
Appearance:	white powder
Sieve residue, 90 µm:	max. 0.1 %
Density, 20 °C:	approx. 3.0 g/cm ³
Discoloration of vulcanizates:	none
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenofit F is used specially as crosslinking modifier and desiccant for fluoro elastomers. Vulcanizates based on these elastomers show excellent resistance against humidity and heat, e.g. high-pressure steam. Compounds containing Rhenofit F show little signs of shrinkage i.e. within the same order as diene rubbers. Thick-walled fluoro elastomer vulcanizates, exceeding 1 cm, can be produced without any difficulty if Rhenofit F is included in the compound. The formation of bubbles and the phenomenon of splitting caused by steam is avoided by the use of Rhenofit F. The vulcanizates have a very low compression set.
Processing:	It is recommended to add Rhenofit F together with the filler. Rhenofit F is strongly hygroscopic. Therefore, Rhenofit F should be weighed just before it is to be incorporated in the mix. The bags should be thoroughly closed straight after use.
Dosage:	10-20 phr
Application:	Molded articles; seals, hoses based on fluoro rubber

Packaging

4 x 5 kg PE bag in 20 kg plastic bucket on 640 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 F please consult material safety data sheet.

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LANXESS Deutschland GmbH
Business Unit Rhein Chemie
Kennedyplatz 1
D-50569 Cologne, Germany
<http://rch.lanxess.com>