Rhenogran®
PCZ-70/IIR
Pre-dispersed rubber chemicals and additives

Function
Curing agent for butyl rubber and other rubbers; especially suitable for the vulcanization of bladders and curing bags based on IIR

Product description

Composition: Combination of a thermo-reactive alkylphenol resin with zinc oxide (70 %); elastomeric binder (IIR) and dispersing agents (30 %).
Appearance: off-white granules
Density, 20 °C: approx. 1.25 g/cm³
Physiological properties: see safety data sheet

Use

Mode of action: Rhenogran PCZ-70/IIR is a curing system consisting of a curing resin and zinc oxide, pre-dispersed in butyl rubber. It is used for crosslinking butyl rubber and other elastomers, e.g. EPDM, SBR, NBR, BR, IR, and halogenated butyl rubber. Rhenogran PCZ-70/IIR is especially suitable for manufacturing bladders and curing bags based on IIR. Rhenogran PCZ-70/IIR is delivered as predispersed, polymer bound granules. This supply form facilitates the weighing and metering of the product. The difficult incorporation of the resin and zinc oxide, especially in butyl rubber, is significantly facilitated and improved, resulting in high-quality products. Studies have shown a significant improvement of the service life of bladders.

Processing: The thermoplastic binder, especially developed for the use in butyl rubber in combination 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: Usually 15-25 parts of Rhenogran PCZ-70/IIR are used for cross-linking 100 parts of rubber. Rhenogran PCZ-70/IIR can be either incorporated on the mill or in the internal mixer. Normally, it is added at the end of the mixing cycle. Halogenated polymers (CR: 5-10 phr, CIIR: 10-15 phr) or metal halogens (approx. 2.5 phr) can activate crosslinking.
Packaging
20 kg cartons with PE bag inside on 800 kg plastic 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 PCZ-70/IIR 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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