

Rhenogran® Geniplex-70

Predispersed rubber chemicals and additives

Function

Activator for sulfur curing of EPDM and diene rubber; also providing activation for blowing agents

Product description

Composition:	70 % zinc dicyanato diamine 30 % elastomer binder and dispersing agents
Appearance:	off-white to slightly greenish granules
Density, 20 °C:	approx. 1.4 g/cm ³

Use

Mode of action: Rhenogran Geniplex-70 has an activating effect on accelerators used for the crosslinking of elastomers with sulfur. Processing safety of rubber compounds containing Rhenogran Geniplex-70 is increased, curing improved. During the manufacture of sponge compounds, the decomposition temperature of blowing agents is reduced. Rhenogran Geniplex-70 is particularly suitable for the use in EPDM as well as in standard elastomers, e.g. NR, SBR, NBR.

N-nitrosamine-free or N-nitrosamine-reduced systems:

The use of Rhenogran Geniplex-70 can be used in crosslinking systems that do not form dangerous N-nitrosamines.

By the use of Rhenogran Geniplex-70, the dosage of accelerators applied can be significantly reduced. Furthermore, the amount of N-nitrosamines generated during vulcanisation can be considerably reduced without sacrificing on the mechanical properties of the finished article. Rhenogran Geniplex-70 may be combined with all common accelerators. Rhenogran Geniplex-70 has an accelerating effect on thiurams, sulfenamides and is activating and accelerating thiazoles and carbamates.

Processing: The thermoplastic, fully compatible elastomer binder in combination with special dispersing agents, allows a quick absorption and an excellent dispersion in the compound. Thus, optimal activity of the effective substance is assured. Rhenogran Geniplex-70 is preferably incorporated at mixing temperatures below 90 °C on the mill or in the second stage in the internal mixer.

Dosage: 0.5-3.0 phr, usually 1-2 phr

Applications: Technical rubber components of all kind

Packaging

20 kg carton with aluminium bag inside on 800 kg skid

Storage stability

In original closed containers under cool and dry conditions 730 days from date of production

Handling

For additional handling information regarding Rhenogran Geniplex-70 please refer to 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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