

Rhenogran® AP 7

Predispersed rubber chemicals and additives

Function

Additive package for crosslinking synthetic rubber free from secondary amines which can form nitrosamines

Product description

Composition:	Synergistic combination of 70 % zinc dithiophosphate-, thiazole-, and dibenzyl-dithiocarbamate-type accelerators, pre-dispersed and elastomer-bound in 30 % EPDM based matrix
Appearance:	grey-beige granules
Density, 20 °C (RC033F):	approx. 1.3 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Because of its composition, Rhenogran AP 7 can be used for crosslinking synthetic rubbers such as EPDM, NBR, etc. The additive package does not form carcinogenic nitrosamines. It causes rapid vulcanization of EPDM, especially when used for sponge compound (often together with Rhenogran ZAT-70 /ZADT-50 and/ or Rhenogran Geniplex 80). Superb vulcanization characteristics and vulcanizates with excellent physical values and a good compression set are obtained.
Processing:	<p>The form of the elastomer-bound granules ensures that the composition is always consistent. None of the separation effects associated with pure powder accelerator combinations can occur. Using Rhenogran AP 7 ensures clean, environmentally friendly handling combined with ease of incorporation and rapid, homogenous dispersion.</p> <p>The thermoplastic, fully compatible elastomer binder which is combined with special dispersing agents allows quick absorption and excellent dispersion in the rubber. In this way, optimal activity of the effective substance is assured.</p>
Dosage:	<p>Approx. 3-6 phr in EPDM with approx. 1-2 phr sulfur; approx. 1.5-3 phr in NBR, SBR with approx. 0.5-2 phr sulfur and/or a sulfur donor, e.g. Rhenogran SDT-50</p> <p>By adding 1-3 phr Rhenogran ZAT-70, Rhenogran ZADT-50 for solid and sponge compounds (and additional 1-2 phr Rhenogran Geniplex-80 for sponge compounds), vulcanization can be further accelerated and cross-linking yields increased. A preferred retarder for such compounds is Rhenogran Retarder E-80.</p>

Application: Technical rubber products of all types. Particularly suitable for manufacturing articles from EPDM, NBR and SBR such as sponge profiles, rigid profiles and molded articles.

Packaging

25 kg paper bag on 500 kg skid

Storage stability

Under cool and dry conditions in original sealed containers 365 days from date of production

Handling

For additional handling information on Rhenogran AP 7 please refer to current safety data sheet.

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