

Rhenogran® KST-50/ACM

Predispersed rubber chemicals and additives

Function

Cross-linking activator for acrylate rubber (ACM)

Product description

Composition:	50 % potassium stearate 50 % elastomer binder and dispersing agents
Appearance:	white granules
Density, 20°C:	approx. 1.09 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenogran KST-50/ACM is used together with Rhenogran Diuron-80 and quaternary ammonium salts as crosslinking system for modern polyacrylate types of rubber. Such grades are particularly vigorous in crosslinking and, in principle, the Diuron system requires no postcuring. The Diuron/alkali soap system produces cured materials with good mechanical-physical properties and permanent compression set values. Rhenogran KST-50/ACM can also be used in combination with sulfur or sulfur donors, for curing vinylchloroacetate grades of acrylate rubber. The special form in which it is supplied minimizes moisture absorption and lumping of potassium stearate. Therefore, Rhenogran KST-50/ACM homogeneously blends into the mix.
Processing:	The thermoplastic binder, especially developed for the use in acrylate 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. Rhenogran KST-50/ACM can be added into the kneader or on the open mill.
Dosage:	4-10 phr Rhenogran KST-50/ACM + 2-4 phr Rhenogran Diuron-80 4-10 phr Rhenogran KST-50/ACM + 1-2 phr quaternary ammonium chloride
Application:	Oil, gasoil and heat resistant seals, hoses, molded parts based on ACM for use in vehicles and engineering.

Packaging

20 kg cartons with PE bag inside on 480 kg 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 KST-50/ACM please consult current safety data sheet.

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