

Rhenogran® HMDC-70/AEMD

Predispersed rubber chemicals and additives

Function

Crosslinking agent for ethylene acrylic rubber (AEM)

Product description

Composition:	70 % hexamethylene diamine carbamate 30 % elastomer binder (AEMD) and dispersing agents
Appearance:	white granules
Density, 20 °C:	approx. 1.18 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenogran HMDC-70/AEMD is mainly used as a curing agent for ethylene acrylic elastomers (AEM), mostly together with guanidine accelerators, e.g. Rhenogran DPG-80, Rhenogran DOTG-70, or Rhenogran XLA-60 (as DOTG replacement). Co-vulcanization with peroxides is possible. It can also be used as curing agent in other polymers, e.g. ECO or ACM polymers.
Processing:	Rhenogran HMDC-70/AEMD normally is added in the last stage of the compounding process. 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.
Dosage:	1-3 phr Rhenogran HMDC-70/AEMD and 4-6 phr Rhenogran DPG-80 or Rhenogran DOTG-70 or 2-5 phr Rhenogran XLA-60
Application:	Oil-resistant seals, hoses based on AEM, ECO/CO, ACM rubber for use in vehicles and engineering

Packaging

20 kg carton with PE bag inside on 480 kg skid

Storage stability

In originally sealed containers under cool and dry conditions 730 days from date of production

Handling

For additional handling information on Rhenogran HMDC-70/AEMD please consult current material safety data sheet.

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