Technical Data Sheet

Rhenogran® Triazine TM-70/AEMD
Predispersed rubber chemicals and additives

Function
Cross-linking agent for CO and ECO and other halogen cure site-containing polymers

Product description

Composition: 70% 2,4,6-trimercapto-s-triazine
30% elastomer binder (AEMD) and dispersing agents

Appearance: yellow granules

Density, 20 °C: approx. 1.46 g/cm³

Physiological properties: see safety data sheet

Use

Mode of action: Rhenogran Triazine TM-70/AEMD is used as curing agent for the vulcanization of ECO and CO rubber compounds. It may also be used in other halogen containing polymers, e.g. CR, ACM, etc.

Most compounds including Rhenogran Triazine TM-70/AEMD are sensitive to scorch. Therefore, compounds should not be processed too long after mixing. Ready mixed compounds have to be stored under cool and dry conditions. Depending on the formulation, storage time should not exceed one week. To improve the storage stability it is recommended to combine Rhenogran Triazine TM-70/AEMD with retarders, e.g. Rhenogran Retarder E-80 or Rhenogran CTP-80 and scorch stabilizers like Rhenogran ZBOP-50 or Rhenogran ZDT-50. As curing activator, Rhenogran HPCA-50 is recommended.

Processing: With regard to the tendency to scorch it is recommended to add the curing system at the end of the first, preferably in the second mixing stage. 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: (phr in ECO or CO)
- Rhenogran Triazine TM-70/AEMD 1.0-1.5
- Rhenogran ZBOP-50/Rhenogran ZDT-50 0.5-1.0
- Rhenogran HPCA-50 0.5-1.0
- Rhenogran Retarder E-80/ Rhenogran CTO-80 0.4-0.8/ 0.5-1.0

Application: Technical rubber articles based on ECO and CO and other halogen cure site-containing polymers for sealings, diaphragms, hoses, roller coverings
Packaging
20 kg carton 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 Triazine TM-70/AEMD please consult current safety data sheet.

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