

## Rhenogran® CLA-55

Predispersed rubber chemicals and additives

### Function

Accelerator and curing activator for acrylate rubber (AEM, ACM)

### Product description

|                           |   |
|---------------------------|---|
| Composition:              | 55 % activated amine<br>45 % acrylate copolymer and dispersing agents |
| Appearance:               | yellowish to brownish granules  |
| Density at 20°C:          | 1,21 g/cm <sup>3</sup>  |
| Physiological properties: | see safety data sheet   |

### Use

**Mode of action:** Rhenogran CLA-55 is an accelerator (based on an activated amine) for AEM- and ACM compounds crosslinked with specialty chemicals such as cumylated diphenylamine, Rhenogran ZDT-50, and/or Rhenogran HMDC-70/AEMD.

Rhenogran CLA-55 is capable to replace N,N'-di-ortho-tolylguanidine (DOTG) in acrylate rubber mixes (AEM, ACM).

Rhenogran CLA-55 enables a fast vulcanization. By addition of small amounts of Rhenogran ZDT-50 the scorch safety can be increased, physical properties such as compression set, tear resistance, and elongation at break be further optimized. Vulcanizates manufactured with Rhenogran CLA-55 provide good mechanical properties, a good heat aging behavior and a low tendency to swelling in motor oil.

**Processing:** The binder system was especially developed for use in AEM and ACM compounds. It is, therefore, highly compatible with these polymers. Rhenogran CLA-55 may likewise be processed in an internal mixer as on the open mill. The addition is recommended towards the end of the mixing cycle.

**Dosage:** In AEM: 3-4 phr,  
in ACM: 0.5-2 phr

**Application:** Technical rubber components, e.g. hoses, seals, o-rings, and cables.

### Packing

20 kg carton with aluminium-coated bag inside on 480 kg skid

## Storage stability

In original closed containers under cool and dry conditions 730 days from date of production. Open bags have to be protected against oxygen and light in order to prevent material from discoloration. When using low melting bags (PE/EVA) in direct contact, the material may diffuse into the foil (contact diffusion). After extended periods of storage in these type of bags sweating of the active ingredient might occur.

## Handling

Exhaust ventilation is generally recommended in the working area with regard to chemical additives used in rubber processing. For additional handling information please consult the current safety data sheet for Rhenogran CLA-55.

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**LANXESS Deutschland GmbH**  
**Business Unit Rhein Chemie**  
Kennedyplatz 1  
D-50569 Cologne, Germany  
<http://rch.lanxess.com>