

Rhenofit® D/A

Specialty and standard chemicals

Function

Vulcanization activator and acid acceptor, particularly for polychloroprene rubber (CR) and adhesives

Product description

| | |
|---------------------------|---------------------------------|
| Composition: | highly reactive magnesium oxide |
| Appearance: | white powder |
| Density, 20 °C: | approx. 3.6 g/cm ³ |
| BET surface: | 190 ± 20 m ² /g |
| Bulk density, loose: | ca. 450 g/l |
| Physiological properties: | see safety data sheet |

Use

| | |
|-----------------|--|
| Mode of action: | Rhenofit D/A is a highly reactive magnesium oxide intended specifically for use in the rubber processing industry. It improves the processing safety of CR-, CSM-, CM and CIIR-based rubber compounds by raising the critical temperature of basic accelerators. Rhenofit D/A thereby reduces the tendency of rubber compounds to scorching, while it lowers the necessary activation temperature for acid accelerators. In polymers containing halogen, and particularly in CR, Rhenofit D/A acts as an acid acceptor, thereby improving aging properties. In cold-cured fabric proofing, it serves to neutralize traces of acid. Moduli are generally increased by Rhenofit D/A. |
| Processing: | Caking does not occur with Rhenofit D/A under normal storage conditions. It is free-flowing and may be stored in silos. Rhenofit D/A disperses rapidly throughout all grades of compound. It is best added at the beginning of the mixing process. |
| Dosage: | 3-5 phr |
| Application: | CR, CSM, CM, CIIR and FPM compounds of all kinds (e.g. for extruded and injection molded technical articles, bladders, roofing, etc.). Other applications include CR-based adhesives, compounds with chlorinated paraffins, cork and sulfur chloride factice, e.g. for erasers, swimming caps, rubberised sheets, etc. |

Packaging

25 kg paper bags on 700 kg skid

Storage stability

In original closed containers under cool and dry conditions 365 days from date of production. Exposure to air should be avoided as magnesium oxide is hygroscopic.

Handling

For additional handling information on Rhenofit D/A please consult current safety data sheet.

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.



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