

Rhenogran® ZnO-80

Predispersed rubber chemicals and additives

Function

Curing activator for the use in natural and synthetic rubbers, particularly chloroprene rubber (CR). Multi-purpose curing activator, particularly in the presence of fatty acids for tires.

Product description

Composition:	80 % zinc oxide 20 % elastomer binder and dispersing agents
Appearance:	off-white granules
Density, 20 °C:	approx. 3.0 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenogran ZnO-80 is made with a special grade of zinc oxide particularly suitable for the rubber industry. Due to its elastomer bound form, the absorption of humidity from the atmosphere during storage is prevented. In comparison to extrusion compounds containing powdered zinc oxide, those manufactured with Rhenogran ZnO-80 provide smoother profiles. This is due to the more homogeneous dispersion of Rhenogran ZnO-80. A slight increase in modulus and tensile strength usually occurs; elongation at break is also improved.
Processing:	Rhenogran ZnO-80 is ideal to handle. The granules are free-flowing and non-dusting. The excellent affinity of Rhenogran ZnO-80 to rubber is facilitating incorporation, resulting in homogeneous dispersion of the zinc oxide, free from agglomerates. Effective and rapid dispersion of Rhenogran ZnO-80 becomes evident by reduced energy consumption during the mixing process. Rhenogran ZnO-80 prevents the heat swell which normally occurs when powdered zinc oxide is used in CR mixes.
Dosage:	3-8 phr
Applications:	All kinds of technical rubber goods, tires

Packaging

25 kg paper bags on 1000 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 ZnO-80 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>