

Rhenopren® EPS

Factice

Function

Rhenopren EPS is a processing promoter for natural and synthetic rubber compounds.

Product description

Composition:	vegetable oil cross-linked without sulfur and chlorine
Appearance:	white to yellowish crumbs
Density:	approx. 1.0 g/cm ³
Solubility:	insoluble in water, partly soluble in acetone and benzene
Discoloration of vulcanizates:	none
Physiological properties:	see safety data sheet

Use

Mode of action:	<p>Rhenopren EPS gives uncured compounds a good dimensional stability and excellent processability (green strength). Acting as a polymer plasticizer, it stands for good processability and extrudability of compounds. Owing to its minimal influence on vulcanization, Rhenopren EPS can be used both for sulfur and peroxide cross-linking. Degassing of compounds is facilitated.</p> <p>Vulcanizates processed with Rhenopren EPS show a velvety surface finish. Migration and contact discoloration will be avoided. Rhenopren EPS is not extracted by oil, benzene, and plasticizers. Swelling resistance of vulcanizates with Rhenopren EPS remains practically unchanged.</p>
Processing:	<p>Rhenopren EPS should be added to the compound together with the fillers. When high quantities of plasticizers are used, Rhenopren EPS can be mixed with a partial quantity first. This promotes the incorporation process.</p>
Dosage:	<p>Molded and extruded goods of all kinds based on NR and SR: 5-20 phr, eraser compounds: 50-300 phr</p>
Applications:	<p>Roller coverings, EPDM sponge profiles, erasers, and technical rubber components</p>

Packaging

20 kg paper bags

Storage stability

In original closed containers under cool and dry conditions three years. If stored under pressure for longer time, Rhenopren EPS tends to caking. Compacted material will usually be loosened by slight shaking the product.

Handling

For additional handling information on Rhenopren EPS please consult current safety data sheet (SDS).

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>