

Rhenogran® MBI-80

Predispersed rubber chemicals and additives

Function

Non-staining antioxidant for vulcanizates based on natural and synthetic rubbers.

Product description

Composition:	80 % 2-mercaptobenzimidazole acc. to specification, 20% elastomer binder and dispersing agents
Appearance:	white-grey granules
Density, 20 °C:	approx. 1.28 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenogran MBI-80 is an usually non-staining antioxidant for light-colored and white rubber compounds. It is used as a synergist for other antioxidants. The effect of the combination of Rhenogran MBI-80 with other antioxidants is greater than the sum of the effects of the individual components. It also provides the vulcanizates with some protection against copper and manganese poisoning (rubber poisons). The efficiency of Rhenogran MBI-80, used on its own, depends to a large extent on the curing system. Rhenogran MBI-80 gives better results in combination with dithiocarbamate and thiuram accelerators than in combination with other accelerators.
Processing:	The thermoplastic, fully compatible elastomer binder which is combined with special dispersing agents allows quick absorption and excellent dispersion in the rubber. In this way, optimal activity of the active substance is ensured.
Dosage:	As antioxidant: 0.6-1.5 phr As antioxidant, specially for steam-resistant grades: 2.0-3.0 phr For transparent grades: 0.4 phr
Application:	Rubber articles which have to withstand oxygen, heat and steam; heat-resistant rubber articles which are produced by thiuram vulcanization, white, colored, and transparent articles of all kinds, fabric proofings

Packaging

25 kg paper bag 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 MBI-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>