

Rhenosin® W 90 B

Plasticizers

Function

Plasticizer to improve the low-temperature flexibility of elastomer vulcanizates

Product description

Composition:	Polyether
Appearance:	clear, low-viscosity liquid
Physiological properties:	see safety data sheet

Typical characteristics:	Density, 25 °C (DIN 52004):	0.96 g/ml
	Molecular weight:	336 g/mol
	Refractive index:	1.43
	Flash point:	> 93°C

Electrical properties:	Volume resistance:	$1.9 \cdot 10^9$ Ohm/cm
	Dielectric constant:	5.3
	Dissipation factor:	0.110

Use

Mode of action: Rhenosin W 90 B is used to achieve optimum low temperature flexibility in molded and extruded products. Rhenosin W 90 B disperses easily in a wide range of elastomers. It is not affected by vulcanization and does not degrade the physical characteristics of the compound. Rhenosin W 90 B is compatible with CR, NBR, NR, SBR, ECO, EPDM, and IIR. It is also compatible with fluoroelastomers, polyurethane, and liquid, aliphatic polysulfides.

Its rapid flexibilizing effect and ease of incorporation make Rhenosin W 90 B useful for re-softening compounds which have hardened slightly, with only minimal effect on the physical values.

Processing: Rhenosin W 90 B is incorporated with the fillers.

Dosage: CR, NBR: max. 50 phr
NR, SBR: max. 40 phr
EPDM, EPM: max. 20 phr
IIR: max. 10 phr

Applications: Fuel pipes, wire sheathing, sponge rubber, extruded and molded technical rubber components

Packaging

200 kg plastic drums on 800 kg skid or 1,000 kg IBC (SCHÜTZ); discharge opening with block valve and thread

Storage stability

In original sealed containers under cool and dry conditions 1095 days from date of production.

Handling

For additional handling information on Rhenosin W 90 B 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>