Rhenosin®
W 90 B

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 · 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 730 days from date of production.

Handling
For additional handling information on Rhenosin W 90 B please consult current safety data sheet.

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