

Rhenosin® 145A/P

Resins

Function

Homogenizing agent and softening resin for compounds based on natural and synthetic rubber

Product description

Composition:	polymerized blend of paraffinic, naphthenic, and aromatic hydrocarbons
Appearance:	dark brown to black pastilles
Odor:	faint
Density, 20 °C:	approx. 1,06 g/cm ³
Softening temperature:	104 ± 5 °C
Solubility:	soluble in aromatic solvents, insoluble in water
Physiological properties:	see safety data sheet

Use

Mode of action:	<p>Rhenosin 145A/P improves the homogeneity of various rubber blends. Dispersion of fillers and solid rubber chemicals is enhanced. The viscosity of rubber compounds is usually decreased. Rhenosin 145A/P is an unsaponifiable resin resistant against alkalis, acids, and other chemicals. In most rubber compounds Rhenosin 145A/P improves processing, e.g. compounding, extrudability, calendaring, mold flow as well as properties as ply-adhesion.</p> <p>In general, Rhenosin 145A/P has little influence on properties of vulcanisate. A clear improvement of tear strength, e.g. in vulcanisates of NR/BR, CIIR, and BIIR is achieved by Rhenosin 145A/P.</p>
Processing:	<p>Rhenosin 145A/P can be incorporated in the internal mixer or on the mill. It should be added together with the fillers. The softening point of Rhenosin 145A/P should be exceeded during mixing.</p>
Dosage:	<p>in BR, IR, NR, SBR, and blends of BIIR/CIIR: 3-12 phr in NBR-Blends: 3-9 phr in EPDM-Blends: 3-9 phr in CR: 3-5 phr in IIR: 3-10 phr</p>

Application: Owing to its color, Rhenosin 145A/P is preferably used in dark compounds.

Packing

25 kg plastic bag on 1000 kg skid

Storage stability

In original closed containers under cool and dry conditions: At least two years from date of production.

Handling

For additional handling information on Rhenosin 145A/P please consult current safety data sheet.

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