

Rhenosin® 145

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 pellets
Odor:	faint
Density, 20 °C:	approx. 1 g/cm ³
Softening temperature (DIN):	102 ± 4 °C
Solubility:	soluble in aromatic solvents, insoluble in water
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenosin 145 improves the homogeneity of various rubber blends. Dispersion of fillers and solid rubber chemicals is enhanced. The viscosity of rubber compounds is decreased. Rhenosin 145 is an unsaponifiable resin resistant against alkalis, acids, and other chemicals. In most rubber compounds Rhenosin 145 improves compounding, ply-adhesion properties, extrudability, calandering and mold flow. In general, Rhenosin 145 has little influence on vulcanizate properties. A clear improvement of tear strength in NR/BR, CIIR, and BIIR vulcanizates is achieved by Rhenosin 145.
Processing:	Rhenosin 145 can be incorporated both in the internal mixer or on the mill but should be added together with the fillers. The softening point of Rhenosin 145 is supposed to be exceeded during mixing.
Dosage:	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

Application: Owing to its color, Rhenosin 145 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 1095 days from date of production.

Handling

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

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