

Rhenosin[®] 145

Processing Promoters

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 flakes
	Odour:	faint
	Density, 20 °C:	approx. 1000 kg/m ³
	Softening temperature:	95 ± 5 °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 a unsaponifiable resin, which is resistant against alkalies, acids and other chemicals. In most rubber compounds, Rhenosin 145 improves compounding, ply-adhesion properties, extrudability, calendering and mould flow. In general, Rhenosin 145 has little influence on vulcanizate properties. A clear improvement of tear strength in NR/BR, CIIR and BIIR vulcanizates has to be emphasized.	
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 NR: 3 - 12 phr in BR: 3 - 12phr in SBR: 3 - 12 phr in NBR-Blends with different molecular weight: 3 - 9 phr in NBR-Blends with other elastomers: 3 - 9 phr in EPDM-Blends with different molecular weight: 3 - 9 phr in EPDM-Blends with other elastomers: 3 - 9 phr in BIIR/CIIR: 3 - 12 phr in CR: 3 - 5 phr in IIR: 3 - 10 phr in IR: 3 - 12 phr	
Application:	Due to its colour, Rhenosin 145 is used in dark compounds.	

Packing	25 kg plastic bag
Storage stability	In original closed containers under cool and dry conditions max. 3 year.
Handling	Consult material safety data sheet (MSDS) for additional handling information on Rhenosin 145.

® = registered trade mark

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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 rely on 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.

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