**Rhenosin® 145**

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

<table>
<thead>
<tr>
<th>Product description</th>
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<tbody>
<tr>
<td>Composition:</td>
<td>polymerized blend of paraffinic, naphthenic and aromatic hydrocarbons</td>
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<tr>
<td>Appearance:</td>
<td>dark brown to black flakes</td>
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<tr>
<td>Odour:</td>
<td>faint</td>
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<tr>
<td>Density, 20 °C:</td>
<td>approx. 1000 kg/m³</td>
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<tr>
<td>Softening temperature:</td>
<td>95 ± 5 °C</td>
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<tr>
<td>Solubility:</td>
<td>soluble in aromatic solvents, insoluble in water</td>
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<tr>
<td>Physiological properties:</td>
<td>see safety data sheet</td>
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</table>

**Use**

**Mode of action:** Rhenosin 145 improves the homogenity 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 alkalis, acids and other chemicals. In most rubber compounds, Rhenosin 145 improves compounding, ply-adhesion properties, extrudability, calandering 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 - 12 phr  
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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