# Aktiplast® ST

## Function
Dispersant and lubricant for highly filled synthetic diene rubber compounds; particularly suitable for compounds containing high-activity silica.

## Product description

<table>
<thead>
<tr>
<th><strong>Composition:</strong></th>
<th>Blend of hydrocarbons, Zn soaps and fillers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td>light-brown pellets</td>
</tr>
<tr>
<td><strong>Density, 20 °C:</strong></td>
<td>1.10 g/cm³</td>
</tr>
<tr>
<td><strong>Ash:</strong></td>
<td>15.5 - 18.5 %</td>
</tr>
<tr>
<td><strong>Melting range (DSC-onset):</strong></td>
<td>85 - 100 °C</td>
</tr>
<tr>
<td><strong>Discoloration of vulcanizates:</strong></td>
<td>none</td>
</tr>
<tr>
<td><strong>Physiological properties:</strong></td>
<td>see safety data sheet.</td>
</tr>
</tbody>
</table>

## Use

### Mode of action:
Aktiplast ST is a processing promoter that has been especially designed for silica compounds. In addition, it shows excellent behavior in carbon black compounds. Aktiplast ST improves filler dispersion and reduces mixing and processing viscosities. Aktiplast ST increases scorch safety and reduced energy consumption in extrusion. Aktiplast ST improves wet grip properties (tan-d at 0 °C).

### Processing:
Aktiplast ST is incorporated with the fillers. Silanisation processes are not affected by Aktiplast ST.

### Dosage:
3 - 5 phr

### Application:
Dispersant and lubricant for highly filled synthetic diene rubber compounds; particularly suitable for compounds containing high-activity silica: tire treads, technical molded articles.

## Packing
20 kg paper sacks

## Storage stability
If kept in a cool, dry place in original sealed containers, the product has a shelf life of max. 3 years.

## Handling
Consult material safety data sheet (MSDS) for additional handling information on Aktiplast ST.

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