Name
Deolink TESPT-100

Description
activator for filler

Active substance
bis(3-triethoxysilylpropyl)tetrasulfane
TESPT

Appearance
dark yellow liquid

Analytical values
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total sulphur (%)</td>
<td>21 - 23</td>
</tr>
<tr>
<td>Density at 25°C (g/cm³)</td>
<td>1.06 - 1.10</td>
</tr>
</tbody>
</table>

Dosage
Related to active white filler (phf)
1.0 - 8.0

Supply Form
25 kg in steel-pail,
200 kg in steel-drums, or
1000 kg in containers (IBC’s)

Storage Stability
In originally sealed package
in cool and dry places
min. 1 year

Behaviour and Effects
Due to its bifunctionality TESPT links through the tetrasulfane group to the rubber molecule and through the ethoxy group to the silanol groups of the filler. The chemical bond between polymer and filler improves the physical properties of the vulcanizate.

Application
Deolink TESPT-100 is used to improve tensile strength, modulus and abrasion of the vulcanizates in all commonly used elastomers. Deolink TESPT-100 should be dosed into the internal mixer together with the filler. Best results are obtained at elevated temperatures of about 120 - 140 °C. Mainly for compounds crosslinked through sulphur.

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