

Name	Deolink TESPT
Description	activator for filler
Active substance	bis(3-triethoxysilylpropyl)tetrasulfane TESPT
Silane content (%)	50
Appearance	yellow pellets

Analytical values

Total sulphur (%)	ASTM D 1552 (LECO)	10 - 13
Density at 20°C (g/cm ³)	DIN ISO 787 part 10A	1.0
Dropping point (°C), Mettler-apparatus	DIN ISO 2176	72 ± 5

Dosage	approx. 10 % in relation to silica-filler
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German Food Legislation (BgVV recommendation XXI)	not approved
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Supply Form	20 kg in cardboard boxes with PE-inliner
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Storage Stability

In originally sealed package in cool and dry places	min. 1 year
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Behaviour and Effects

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

Due to the incorporation into an EVA-wax-matrix the silane is optimally protected against moisture attack.

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