Deolink TESPT

Silane Preparations on Polymer / wax systems

Product information

Description
Due to its bifunctionality Deolink TESPT links through the tretasulfane 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 compound

Composition
Bis(3-triethoxysilylpropyl)tetrasulfane (TESPT)
Silan content: 50%

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 kneader together with the filler. Best results are obtained at elevated temperatures at about 120 – 140°C. Due to the incorporation into an EVA wax matrix, the silane is optimal protected against moisture. Mainly for compounds cross-linked by sulphur

Dosage
In relation to filler: 2 – 16 phr

Typical physical properties

		Unit
Colour	Yellow pellets	/
Total sulphur	10.0 – 13.0	%
Dropping point, Mettler device	72 ± 5	°C
Density at 20°C	1.00 ± 0.02	g/cm³

Benefits
Sulphur silane most commonly used
Improved mechanical properties such as abrasion or compression set
Optimum silanization at a mixing temperature between 130 – 150°C

Associated products
Deolink MX
Deoloink Vinyl
Deolink VO
Deolink VE

Storage
In originally sealed package in cool and dry places
Storage stability: min. 24 months

Supply Form
20 kg in cardboard boxes with PE-inliner

German Food Legislation (BfR recommendation XXI)
Not approved

US Code of Federal Regulations, FDA – CFR Title 21, 177.2600
Not listed

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COMPETENCE IN ADDITIVES

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