

Deolink TESPT-100

Liquid Silanes

Description

Due to its bifunctionality Deolink TESPT-100 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 compound

Composition

Bis(3-triethoxysilylpropyl)tetrasulfane (TESPT)

Application

Deolink TESPT-100 is used to improve tensile strength, modulus and abrasion of the vulcanizates from all commonly used elastomers. Deolink TESPT-100 should be dosed into the kneader together with the filler. Best results are obtained at elevated temperatures at about 120 – 140°C. Mainly for compounds cross-linked by sulphur

Dosage

In relation to filler: 1 – 8 phr

Typical physical properties

		Unit
Colour	Dark yellow liquid	/
Total sulphur	21 - 23	%
Density at 20°C	1.08 ± 0.02	g/cm ³

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-100
Famasil FR-VM
Deolink Vinyl -100
Deolink Vinyl TE-100
Deolink Methacryl TM-100
Deolink Amino TE-100

Storage

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

Supply Form

25 kg in steel-pail.
200 kg in steel-drums.
1000 kg in containers (IBCs)

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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