

# Deolink VO

## Silane Preparations on Polymer / wax systems

### Description

Deolink VO forms a chemical bond between rubber molecule and the silica filler. The ethanol, which is formed owing to the reaction evaporates during the mixing and vulcanization process. In Deolink VO the active silane is protected against moisture by the wax polymer matrix. The pellet shape allows fast weighing and safe and easy handling

### Composition

Polysiloxane, containing vinyl-, propyl- and ethoxygroups  
Silan content: 50%

### Application

Deolink VO is used to improve the properties of peroxide cured compounds like cable covering, as it acts as a coupling agent between rubber and silica or other filler containing hydroxyl groups. Compared to compounds without silanes the electrical properties are improved by Deolink VO

### Dosage

In relation to filler: 1 – 6 phr

### Typical physical properties

		Unit
Colour	White pellets	/
Dropping point, Mettler device	75 ± 5	°C
Density at 20°C	0.95	g/cm <sup>3</sup>

### Benefits

Oligomeric vinyl silane for peroxide vulcanization  
Does not form any toxic methoxyethanol  
Replacement for traditional vinyl silanes  
Low VOC  
BfR suitable

### Associated products

Deolink TESPT  
Deolink MX  
Deolink Vinyl  
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)

Max. 1% in relation to filler

### US Code of Federal Regulations, FDA – CFR Title 21, 177.2600

Not listed

Version: 01/2022