

Deolink MX

Silane Preparations on Polymer / wax systems

Description

Deolink MX is an alternative to mercaptosilanes, which often cannot be used because of their unpleasant smell. The mercaptosilane present in Deolink MX is set free from the carrier during the mixing process. Because of its bifunctionality, it forms a chemical bond between rubber molecule and the silica at cure temperature

Composition

Thiocarboxy-silane
Silan content: 50%

Application

Deolink MX is best dosed into the kneader together with the filler at elevated temperatures of about 120 – 160°C to improve the physical properties of compounds with white fillers cross-linked by sulphur. The incorporation in a PE-wax enables an optimal protection of the active silane against moisture

Dosage

In relation to filler: 1 – 8 phr

Typical physical properties

		Unit
Colour	White pellets	/
Total sulphur	3.8 – 4.8	%
Dropping point, Mettler device	97 – 111	°C
Density at 20°C	1.000 – 1.040	g/cm ³

Benefits

Sulphur silane with blocked mercapto group
May be used across a broad range of mixing temperature
Usually more effective than TESPT at lower mixing temperatures
Lower risk of scorch
No typical mercaptane odor

Associated products

Deolink TESPT
Deolink 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

Version: 12/2021