

Name **Deolink Methacryl TM-100**

Description activator for filler

Active substance Methacryloxy-propyl-trimethoxysilane

Appearance Colourless to light yellow, clear liquid

Analytical Value

Content [%]	DIN 53174	min. 98
Colour	EN ISO 6271-1	max. 70
Density at 25°C [g/cm ³]	DIN ISO 787 part 10	1.02 - 1.06

Dosage

Related to active white filler [phf] 0.5 - 4.0

Related to total compound [%] 0.5 - 2.0

German Food Legislation (BfR recommendation LII for filler additives in polymers) approved, max. 0.5 % silane, related to filler

EFSA (European Food Safety Authority) Regulation (EU) Nr. 10/2011 approved

Supply Form 25 kg in steel-pail, 200 kg in steel-drum

Storage Stability min. 1 year

In original sealed package in cool and dry places

Behaviour and Effects

Deolink Methacryl TM-100 reacts with polyesters, polyurethanes and acrylic resins. The trimethoxy-silyl-group condenses with the hydroxyl-groups / other reactive groups of various substrates and links them to the polymer.

Application

Working as a bonding agent Deolink Methacryl TM-100 improves the mechanical properties of polyester-composites that contain inorganic filler.

Furthermore Deolink Methacryl TM-100 can be used to cross-link polyethylene with suitable co-additives.

Deolink Methacryl TM-100 can also be used as copolymer with acrylic- or methacrylic monomers for coatings and adhesives.

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