

## Technical Information

## TEGO® XP 21010

TEGO® XP 21010 is linear organo-functional polysiloxanes. Due to the secondary amino end groups TEGO® XP 21010 can be used as reactive components in suitable polymers.

**Physical properties**

Functional groups	secondary amino groups
Functionality	2
No. of repeating units (n)	approx. 30
Molecular weight [g/mol]	2 600
Nitrogen content [wt.-%]	approx. 1.20
Viscosity, 25 °C [mPas; cP]	approx. 35
Density, 25 °C [g/cm <sup>3</sup> ]	approx. 0.96
Appearance	liquid, pale yellow
Solubility	most common organic solvents

**Application**

By the reaction of amino groups with polymers, TEGO® XP 21010 can be introduced permanently in polyamides, polyurethanes, polyamides and other suitable polymers.

TEGO® XP 21010 can be pre-distributed in polyols, based on polyether or polyester to react with isocyanates to thermoplastic siloxane elastomers.

TEGO® XP 21010 can be applied in epoxy functional resins e.g. casting resins.

**Benefits**

Due to the reactive introduction typical properties of a siloxane are implemented to the polymer resulting in:

- improved flexibility, even at low temperatures
- tack-free properties by release effect
- improved melt flow rates during processing
- improved moulding flow

**Dosage**

The amount used depends on the required properties. The concentration can range from 3 to 30 weight-% based on polymer.

**Registration status**

The ingredients of TEGO® XP 21010 are listed in the following chemical inventories:

EINECS, TSCA, DSL, ENCS, ECL, CHINA, PICCS  
Based on the submitted information of our raw material suppliers we can confirm, that TEGO® XP 21010 is compliant with EC Regulation 1907/2006 (REACH).

**Storage stability**

TEGO® XP 21010 is stable in closed containers for a minimum of 12 months.

**Packaging**

25 kg plastic cans (300 kg each pallet)

## Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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