

## Technical Information

## TEGOMER® P 161

TEGOMER® P 161 is a siloxane polyolefine compound delivered in pelletized form.

## Physical properties

Appearance	white pellets
Bulk density	400 – 600 kg/m <sup>3</sup>
Melting point	> 100 °C

## Application

TEGOMER® P 161 serves as dispersing aid for highly loaded compounds containing 40 to 80 % mineral fillers like talc, calcium, CaCO<sub>3</sub> and Sb<sub>2</sub>O<sub>3</sub>. In the processing the use of TEGOMER® P 161 leads to a reduction of amperage draw and a slightly increased MFI of the compound. Due to the excellent dispersing properties of TEGOMER® P 161 the bulk characteristics are improved by:

- higher impact strength
- higher tensile strength

Furthermore TEGOMER® P 161 improves the production of blown film or injection moulded parts with thin walls by:

- avoiding of film fracture
- superior speck evaluation
- improved film quality

TEGOMER® P 161 enhances the dispersion of compounds filled with 50 to 70 % TiO<sub>2</sub> and is used successful for coloration of films, especially if colour pigments are used in combination. Stripe formation or discoloration is avoided.

## Dosage

By its pellets shape TEGOMER® P 161 can be easily added in the production process. The amount used can range from 1 to 4 % depending on polymer or compound.

## Food contact status

## FDA

TEGOMER® P 161 may be used in compliance with 21 CFR 178.3725 at levels not to exceed 0.8 % by weight of the pigment.

## Registration status

The ingredients of TEGOMER® P 161 are listed in the following inventories:

EINECS, DSL, TSCA, IECSC

Based on the submitted information of our raw material suppliers we can confirm, that TEGOMER® P 161 is compliant with EC Regulation 1907/2006 (REACH).

## Storage stability

TEGOMER® P 161 is stable in closed containers for a minimum of 12 months.

## Packaging

30 kg cardboard box with in-liner  
540 kg pallet (18 x 30 kg)

## 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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