

## Technical Information

## TEGOMER® P 122

TEGOMER® P 122 is a dispersing additive based on amphiphilic copolymers especially designed for the preparation of colour concentrates and technical compounds delivered as easy flowing micro granulate.

Physical properties	
Drop point (GM 1999 01)	approx. 115 °C
Melt viscosity (150 °C)	< 1 000 mPas
Particle size	approx. 0.5 mm

## Application

TEGOMER® P 122 can be applied for single pigment dispersion and tailor made colour concentrates for demanding dispersing process. TEGOMER® P 122 is used for the dispersion of expensive additives, too, for so-called additive or combinational masterbatches.

TEGOMER® P 122 can be used for masterbatches based on:

- polyolefins (especially polypropylene)
- technical polymers (due to its high temperature resistance)
- but in filled compounds as well

## Benefits

The following advantages can be expected when TEGOMER® P 122 is used:

- increase of colour strength
- higher productivity and lower costs for coloration by reducing the amount of pigment
- higher filling grades of pigments
- less fibre fractures
- less agglomerates and aggregates
- excellent dilution behaviour
- suppression of re-agglomeration in downstream processes

- easy handling
- positive influence on masterbatch rheology
- excellent thermal and colour stability

## Dosage

TEGOMER® P 122 can be applied during a premix of the overall formulation or directly i.e. through split-feed processing. Required dosage level depends on nature and amount of pigment in the masterbatch formulation. Guiding formulations can be given by request.

	% AOP* (100 % dispersant)
Filler	2.0 – 4.0 %
Inorganic Pigment	2.0 – 4.0 %
Organic Pigment	30 – 50 %
Carbon black	40 – 100 %

\*AOP = additive on pigment/filler

## Food contact status

## Chinese guideline GB 9685–2016

In plastics based on PE, PP, PS, AS, ABS and PC up to a level of 5% TEGOMER® P 122 and in PET up to a level of 0.5% TEGOMER® P 122 may be used in compliance with the Chinese guideline GB 9685–2016.

## European Regulation 10/2011

The ingredients of TEGOMER® P 122 are listed without a specific migration limit (SML-value) in the Regulation 10/2011/EU.

## BfR Recommendations

TEGOMER® P 122 is a preparation, the ingredients of which comply with the Recommendation IX of the BfR. It can be used in all types of plastics.

## FDA Regulations

TEGOMER® P 122 may be used as a dispersant for colorants at a maximum level of 2 % in polyolefins. This dosage is equivalent to 20% of masterbatch containing 10% TEGOMER® P 122 in the polymer application, which is way above typical use levels.

In all other types of plastics TEGOMER® P 122 may be used as a dispersing additive up to 400 mg/sqm food contact area. (corresponds for example with a dosage of 0,4% in a film with 100 g/sqm).

The finished polymers may be used in contact with all food types under conditions of use B ("Boiling water sterilized") through H ("Frozen or re-ferigerated storage: Ready-prepared foods intended to be reheated in container at time of use") as described in Table 2 of FDA Regulation 21 CFR176.170.

## Registration

The components of TEGOMER® P 122 are listed in the following chemical inventories:

EINECS, TSCA, NDSL, ENCS, PICCS, IECSC, NZIOC and TCSI

Based on the submitted information of our raw material suppliers we can confirm, that TEGOMER® P 122 is compliant with EC Regulation 1907/2006 (REACH).

## Storage Stability

TEGOMER® P 122 is stable in closed bags for a minimum of 1 year.

## Packaging

25 kg bags  
600 kg pallet (24 x 25)

## 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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