

# TEGOMER® DA 626

TEGOMER® DA 626 is a high polymeric dispersing agent to be used mainly for dispersing of organic pigments and carbon blacks in color concentrates with a hydrophobic continuous phase.

## Physical properties

Appearance	honey-like, brownish
Active content	> = 98.0 %
Viscosity (25 °C)	50.000 - 150.000 mPas

## Application

TEGOMER® DA 626 is a high viscose dispersing additive used for pigment pastes based on hydrophobic media such as polyols, UP resins, acrylates, oils or phthalates to disperse and to stabilize:

- organic pigments
- carbon blacks with different surface properties (acidic or basic modified surfaces)
- inorganic fillers or pigments

Dispersion type / continuous phase	0	5
Water-based dispersions		
Mineral oil vegetable oil		
Plasticizer (adipates, Phthalates)		
Polyol		
Sealants (TEGOPAC, VS Polymer)		
Epoxy resins, UP-resins		

0=no effect ..... 5= highly recommended

## Dosage

The required dosage level depends on the nature of the particle which has to be dispersed and on the composition of the polymeric formulation.

	% AOP* (100% dispersant)	% AOP TEGOMER® DA 626
Filler	0.2 – 2.0 %	0.2 – 2.0 %
Inorganic Pigment	1.0 – 5.0 %	1.0 – 5.0 %
Organic Pigment	10 – 30 %	10 – 30 %
Carbon black	10 – 50 %	10 – 50 %
Nano particles	5 – 15 %	5 – 15 %

\*AOP = additive on pigment/filler

TEGOMER® DA 626 can only be dosed if the material temperature is at least 20°C due to its high viscosity. The influence of temperature on additive rheology has to be considered (storage conditions).

TEGOMER® DA 626 should be applied to the surrounding medium before adding the pigment and with stirring while adding the pigment.

Although, pre-dilution is not necessary in general it might be advantageous to dilute the material with butyl acetate or polyol (for instance PPG 600 or 1000) to allow an easy use in production. The solvent for the dilution has to be selected by the afterwards application of the pigment paste.

## Benefits

The use of TEGOMER® DA 626 offers several advantages:

- higher filling especially of carbon black pastes
- excellent rheological properties even during long-term storage of pastes
- no limitations for systems with request for high durability

- higher color strength development
- improved mechanical properties

#### Registration status

The ingredients of TEGOMER® DA 626 are listed in the following chemical inventories:

EINECS, TSCA, DSL, AICS, ECL, PICCS, IECSC, NZIOC, ECS

#### Storage stability

TEGOMER® DA 626 can be stored for a minimum of 12 months in original sealed containers at room temperature. Application temperature should be at least 20 °C.

#### Packaging

50 kg plastic drums (400 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 accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

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#### Trademark notice and legal notice

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