

## Technical Information

## TEGOMER® C-Si 2342

TEGOMER® C-Si 2342 is a reactive organo-functional polysiloxane used as hydrophobizing agent in the leather industry.

Due to the carboxyl end groups TEGOMER® C-Si 2342 can be used as a reactive component to modify bulk properties of polymers.

## Physical properties

Appearance	liquid, clear
Functional groups	carboxyl
Functionality	2
Acid No. [mg KOH/g]	approx. 40
Molecular weight [g/mol]	approx. 2 800
Viscosity (25 °C) [mPas]	approx. 500

## Application

TEGOMER® C-Si 2342 is applied in the leather wet-process as component in post-tanning, dyeing or fat liquoring formulations. During the wet-process, TEGOMER® C-Si 2342 reacts with the functional groups of the leather substrate.

By the reaction of the carboxyl functional groups TEGOMER® C-Si 2342 can be introduced permanently in suitable polymers.

## Benefits

By use of TEGOMER® C-Si 2342 in the leather wet-process, the following benefits are provided:

- improved emulsion stability of the formulation during the wet-process

- outstanding hydrophobizing of the leather substrate
- permanent hydrophobizing of the treated leather

Due to the reactive modification typical properties of a siloxane are introduced 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

TEGOMER® C-Si 2342 is currently added to leather wet-process formulations at a level between 4 to 10 %. Current emulsifiable formulations contain besides TEGOMER® C-Si 2342 organic fat liquoring agents (anionic modified oils), mineral oils and anionic or non-ionic emulsifiers.

The whole formulation containing TEGOMER® C-Si 2342 is added at a level of about 5 % on skin/hides weight.

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

## Registration

EINECS, TSCA (polymer exemption), DSL, ENCS, IECSC

Based on the submitted information of our raw material suppliers we can confirm, that TEGOMER® C-Si 2342 is compliant with EC Regulation 1907/2006 (REACH).

## Packaging

200 kg plastic drums  
(pallet size: 4x 200 kg = 1 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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