

# TEGOSTAB® B 1048

TEGOSTAB® B 1048 is a Si-O-C-based polyether polydimethylsiloxane copolymer which is used for the production of polyurethane rigid foams.

## Physical Properties

Specific gravity (25 °C)	1.03 ± 0.01 g/ml
Viscosity (25 °C)	1,100 ± 200 mPas
pH (4 % hydrous solution)	10.3 ± 0.5

## Instructions for Storage

The solidification point of TEGOSTAB® B 1048 is approx. -25 °C. Apart from increased viscosity, no further changes of this stabilizer's consistency are therefore observed at 0 °C. It is, however, recommended to adapt the temperature of undercooled material to normal ambient temperature before use.

For TEGOSTAB® B 1048 we guarantee a shelf life of at least 6 months upon delivery under the condition that it is stored in factory-sealed containers and protected against extreme weather conditions, particularly against heat and moisture.

## Application

TEGOSTAB® B 1048 mixes with all commonly applied rigid foam polyols. Its special Si-O-C structure and the fact that TEGOSTAB® B 1048 has no hydroxyl groups may cause turbidity in rigid foam systems. Such turbid systems, however, show no tendency towards separation.

TEGOSTAB® B 1048 is suitable for use in formulations for the block foaming process and/or for double band laminators.

Another special field of application for TEGOSTAB® B 1048 are voluminous molded parts where maximum foam yield (flowability) are a basic requirement.

For all of these processes the application of TEGOSTAB® B 1048 as a stabilizer reduces the danger of shrinking and promotes a fine, regular cell structure without defects.

TEGOSTAB® B 1048 is a rigid foam stabilizer based on Si-O-C-technology.

It is common knowledge that polyether polydimethylsiloxane copolymers based on this technology are hydrolysable when used in systems with low pH values.

For this reason TEGOSTAB® B 1048 should not be fed via the isocyanate stream.

The applied concentration of TEGOSTAB® B 1048 should be between 1.5 and 2.5 parts per 100 parts polyol.

## Packing

210 kg iron drums  
1 050 kg plastic containers

## For Information

- on classification and labelling in accordance with shipping instructions and the Toxic Substances Control Act
- on protective measures during storage and handling
- on measures in case of accidents and fire
- on toxicology and ecological toxicity

please refer to our safety data sheets.

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