

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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Evonik Goldschmidt GmbH Goldschmidtstr. 100 45127 Essen/Germany
Phone +49-(201) 173 2229
Fax +49-(201) 173 1991
E-Mail polyurethane@evonik.com
www.goldschmidt-pu.com www.evonik.com

