

TEGOSTAB® B 8443

TEGOSTAB® B 8443 is a non-hydrolysable polyether polydimethylsiloxane copolymer which is used in the manufacturing process of polyurethane and/or polyisocyanurate rigid foams.

Physical Properties

Specific gravity (25 °C)	1.028 – 1.044 g/cm ³
Viscosity (25 °C)	520 ± 120 mPas
pH (4 % hydrous solution)	6.5 ± 1.5

Instructions for Storage

The solidification point of TEGOSTAB® B 8443 is about -9 °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 TEGOSTAB® B 8443 to normal ambient temperature / room temperature before use.

For TEGOSTAB® B 8443 we guarantee a shelf life of at least 12 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 8443 mixes with all commonly applied rigid foam polyols. Due to its pronounced hydrophobic nature, however, the use of TEGOSTAB® B 8443 may cause a turbid appearance of the rigid foam systems. Such turbid systems, show no tendency towards separation.

The main field of application for TEGOSTAB® B 8443 is in systems for flow processes which are blown with HCFC, HFC or pure water like they are used in the manufacturing process of discontinuously produced sandwich panels or slabstock foams.

TEGOSTAB® B 8443 not only remarkably supports the flowing characteristics of rigid foam systems, but also ensures perfect nucleation of the reactive mix, which is due to the perfectly adjusted surface activity of TEGOSTAB® B 8443.

A narrow and uniform density distribution and a very fine cell structure with a maximum of closed cells are distinguishing features of the final foams.

This combination of characteristics is the prerequisite for good thermal insulation properties of the resulting foams.

Since TEGOSTAB® B 8443 has no free hydroxyl groups its chemical structure and stability make it a highly suitable special product which can be fed partly or completely over the isocyanate stream.

Depending on the field of application the applied concentration of TEGOSTAB® B 8443 should be between 1.5 and 2.5 parts per 100 parts polyol.

Packing

210 kg iron drums
1 000 kg plastic containers

For Information

- on classification and labeling 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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