

TEGOSTAB® B 8491

Preliminary Leaflet

TEGOSTAB® B 8491 is a hydrolysis-resistant polyether polydimethylsiloxane copolymer for the manufacturing of rigid polyurethane foams which are produced predominantly with the application of alternative blowing agents such as HFCs or pure hydrocarbons.

Physical Properties

Viscosity (25 °C)	1 250 ± 250 mPas
Density (25 °C)	1.04 ± 0.02 g/cm ³
pH value (4 % hydrous solution)	7.0 ± 1,0

*As this material is a newly developed product, the data and the margins given above may alter slightly.

Instructions for Storage

The solidification point of TEGOSTAB® B 8491 is below 0 °C. The viscosity increase at low temperatures is reversible and has no negative influence on the efficiency of TEGOSTAB® B 8491. Nevertheless, it is recommended to warm up undercooled material to normal ambient temperature (20 – 25 °C) before it is used.

For TEGOSTAB® B 8491 we guarantee a shelf life of at least 12 months upon delivery under the condition, that it is stored in factory-packed containers and protected against extreme weather conditions, particularly against heat and moisture.

Application

TEGOSTAB® B 8491 dissolves in all commonly applied rigid foam polyols and ensures excellent emulsification of the blowing agent in the polyol. It is preferred for formulations with exceptionally high demands to flowability, e. g. for refrigerators, discontinuous panels or pipe insulations, in particular in those cases, where physical blowing agents like pentanes are used.

The unique structure of TEGOSTAB® B 8491 was optimized to meet the grown requirements regarding reduction of surface related defects in modern appliances and discontinuous metal panels.

TEGOSTAB® B 8491 can substantially improve the volume flow and viscoelasticity of the rising foam. As a result shear related surface defects are significantly reduced and a more uniform density distribution can be achieved.

As TEGOSTAB® B 8491 also strongly supports the nucleation process, the application of TEGOSTAB® B 8491 results in foams with low thermal conductivity and high foam uniformity.

The applied concentration of TEGOSTAB® B 8491 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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