

TEGOSTAB® B 8871

TEGOSTAB® B 8871 is a modified silicone additive to be used for the production of polyurethane rigid foams which should have an open celled structure and are predominantly blown by use of water.

Physical Properties

Viscosity (25 °C)	750 ± 100 mPas
Density (25 °C)	1.02 ± 0.02 g/cm ³
Solubility	insoluble in water, soluble in polyols

Instructions for Storage

TEGOSTAB® B 8871 has a solidification point of about 0 °C. The viscosity increase at low temperatures is reversible and has no negative influence on the efficiency of TEGOSTAB® B 8871.

For TEGOSTAB® B 8871 we guarantee a shelf life of at least 12 months upon delivery – provided it is kept in originally sealed drums and protected against extreme weather conditions, particularly against heat and moisture.

Application

Rigid foams with an open cell structure are important, e. g. as final or starting products for the packaging or the automotive supply industry. For this kind of application the excellent temperature insulating properties polyurethane foam is famous for are not of importance. For those systems it is therefore quite common to use just water for blowing. As the resulting foams are mostly low density grade ones, an open cell structure is essential to achieve a sufficient dimensional stability.

TEGOSTAB® B 8871 can be used as the only stabilizing additive to achieve a fine and regular but also open cell structure in common systems for the classical type of rigid foams as well as in related systems as they are used for instance in the manufacture of thermoformable foams.

Whenever in a particular foam the achieved degree of cell opening is not sufficient, TEGOSTAB® B 8871 can be used in combination with more powerful cell openers, like TEGOSTAB® B 8934.

The cell opening efficiency of TEGOSTAB® B 8871 is strongly influenced by the other compounds of the formulation. Therefore the optimal use level for TEGOSTAB® B 8871 should be evaluated by preliminary trials to avoid cell coarsening and to achieve the desired degree of cell opening. The use level is normally between 0.25 parts and 2.50 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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