

TEGOSTAB® B 8421

TEGOSTAB® B 8421 is a non-hydrolysable polyether-polydimethyl-siloxane-copolymer recommended to be used as foam stabilising surfactant in the manufacture of rigid polyurethane foams .

Physical Properties

Appearance	clear, slightly amber liquid
Viscosity (25 °C)	820 ± 250 mPa*s
Density (25 °C)	1.05 ± 0.01 g/cm ³
pH value (4 % in water)	6.5 ± 1.5
Cloud point (4 % in water)	65 ± 3 °C

Recommended Storage Conditions

The solidification point of TEGOSTAB® B 8421 is below -5 °C. Therefore, cold is not a general problem and would not change the properties of TEGOSTAB® B 8421 except for the usual and reversible increase of the viscosity. Nevertheless it is recommendable to bring it up to ambient temperature before the material is used.

The storage stability of TEGOSTAB® B 8421 is at least 12 months, provided it is kept in originally sealed drums and protected against extreme weather conditions, particularly against heat and water.

Application

TEGOSTAB® B 8421 has been designed in particular to be used as a stabilising surfactant in formulation as they are applied in the manufacture of appliances.

TEGOSTAB® B 8421 provides in this demanding application a superior flowability and a homogeneous, fine cell structure with a maximum amount of closed cells. It, therefore, contributes to achieve a good K-factor and an optimal foam yield.

Due to its superior stabilising efficiency the use of TEGOSTAB® B 8421 results in rigid polyurethane foams with a narrow density distribution.

Also the disliked phenomenon of shear lines and densifications becomes mitigated drastically.

The most common use level of TEGOSTAB® B 8421 is about between 1.5 and 2.5 parts per 100 parts of polyol.

Packaging

840 kg pallet (4 x 210 kg in steel drums)

1000 kg plastic containers

Information concerning

- classification and labelling according to regulations for transport of chemicals
- protective measures for storage and handling
- measures in case of accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

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