

TEGOSTAB® B 8466

TEGOSTAB® B 8466 is a polyether polydimethylsiloxane copolymer which is used as a foam stabilizer in the manufacturing process of rigid polyurethane foams.

TEGOSTAB® B 8466 is particularly well suited for foam systems which are blown with non-polar blowing agents such as pentane.

Physical properties

Specific gravity (25 °C)	1.06 ± 0.01 g/cm ³
Viscosity (25 °C)	450 ± 650 mPas
pH (4 % hydrous solution)	6.5 - 1.0

Instructions for storage

The solidification point of TEGOSTAB® B 8466 is approximately 10 °C. Should the material solidify in the cold season due to unprotected storage its efficiency will not be affected.

The material will liquefy again at room temperature. As a precaution the drum should be rolled for a short while in such a case, so that absolute homogeneity is guaranteed.

For TEGOSTAB® B 8466 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 8466 dissolves in all polyols usually applied for manufacturing rigid polyurethane foams.

It gives a clear solution and retains its chemical stability even in premixes which contain the blowing agent and other necessary additives such as catalysts and flame retardants.

Apart from its good solubility TEGOSTAB® B 8466 also shows improved emulsifying properties when compared to other foam stabilizers used in the rigid foam sector. This is especially convenient when non-polar/incompatible blowing agents, as e. g. pentane, are applied. TEGOSTAB® B 8466 strongly supports emulsification of pentane with its low solubility in the polyol component. The result are rigid foams with a very fine cell structure which leads to improved λ -values.

The applied concentration of TEGOSTAB® B 8466 should be between 1.5 parts and 2.5 parts per 100 parts polyol.

Packaging

840 kg pallet (4 x 210 kg in steel drums)
1 000 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.

Legal References

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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