

TEGOSTAB® B 84702

TEGOSTAB® B 84702 is a non-hydrolysable poly-ether polydimethylsiloxane copolymer which is used in the manufacturing process of poly-urethane rigid foams.

Physical properties

Specific gravity (25 °C)	1.018 – 1.028 g/cm ³
Viscosity (25 °C)	6000 – 8000 mPas

Instructions for storage

The solidification point of TEGOSTAB® B 84702 is about –15°C. At storage temperature of about 0°C, there will consequently be no changes in the consistency of the stabilizer other than a higher viscosity. We nevertheless recommend that any subcooled material be warmed to approximately room temperature before using TEGOSTAB® B 84702.

For TEGOSTAB® B 84702 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

Due to the special molecular design TEGOSTAB® B 84702 provides both a pronounced nucleation efficiency and a stronger stabilization even in critical reaction mixtures, which are difficult to stabilize, like e.g. packaging foams or one-component foams.

One-component foam

The TEGOSTAB® B 84702 can be used as co-surfactant for a finer cell structure with a use level about 1 part or as main surfactant with outstanding nucleation properties in combination with a strong stabilization.

Whenever in a particular foam the achieved degree of cell opening is not sufficient (shrinkage of the foam), TEGOSTAB® B 84702 can be used in combination with more powerful cell openers like TEGOSTAB® B 8523 or Ortegol® 500.

The optimal use level for TEGOSTAB® B 84702 should be evaluated by preliminary trials to avoid cell coarsening and to achieve the desired degree of cell opening. The use level as main surfactant is normally between 2 and 3 parts per 100 parts polyol blend.

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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