

TEGOSTAB® B 8460

TEGOSTAB® B 8460 is a polyether polydimethylsiloxane copolymer which is used for the production of rigid polyurethane foams.

Physical properties

Specific gravity (25 °C)	1.06 ± 0.01 g/ml
Viscosity (25 °C)	750 ± 250 mPas
pH (4 % hydrous solution)	7.5 ± 1.5

Instructions for storage

TEGOSTAB® B 8460 has a solidification point of around -10 °C. Apart from increased viscosity no further modifications of the stabilizer's properties have been found at storage temperatures around 0 °C. It is, however, recommended to adapt the temperature of possibly undercooled TEGOSTAB® B 8460 to normal ambient temperature before use.

For TEGOSTAB® B 8460 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

In the development of the foam stabilizer TEGOSTAB® B 8460 great importance was attached to a balanced hydrophilic/hydrophobic ratio. TEGOSTAB® B 8460 can therefore in two respects be characterized as all-purpose stabilizer.

Thanks to pronounced emulsifying characteristics TEGOSTAB® B 8460 effectively improves the compatibility of premixes and systems. Stabilization with TEGOSTAB® B 8460 is therefore always advantageous in such cases, where the compatibility of the raw materials in a formulation, e. g. the polyols and the physical blowing agents is unfavorable and there may be structural defects, especially in slowly reacting foam systems.

Furthermore, TEGOSTAB® B 8460 has a high degree of mobility so that safe stabilization or cell regulation is ensured even with fast reacting formulations.

With the physical blowing agents currently applied in practice the performance characteristic of TEGOSTAB® B 8460 has proved its reliability, especially when pentane is used, for the entire range of different manufacturing techniques, e. g. in the comparatively slow-reacting formulations for material flow over long distances, formulations for the appliance industry, but also for very fast reacting formulations which are typical for board manufacturing on double band laminators.

A general standard value for the recommended applied concentration would be 2.0 parts TEGOSTAB® B 8460 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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