

Technical Information

TEGOSTAB® B 8870

Description

TEGOSTAB® B 8870 is a non-hydrolysable polyether polydimethylsiloxane copolymer which is used in the manufacturing process of polyurethane rigid foam.

Key performance benefits

One component foam (OCF):

- Good stabilization
- Minimizing foam defects

Two component foam:

- Good stabilization
- Minimizing foam defects

Typical properties*

| | |
|----------------------|------------------------|
| Appearance | Clear liquid |
| Viscosity at 25 °C | 2500 mPa · s |
| Density at 25 °C | 1.02 g/cm ³ |
| Calculated OH number | 60 mg KOH/g |

* For actual ranges, please refer to the Certificate of Analysis (CoA) / Sales Specification.

Application

TEGOSTAB® B 8870 is well suitable for one-component foam either for gun- or straw applications. It was primarily designed to achieve a very strong stabilization support which is a precondition for a fine cell-structured foam.

In case additional cell opening is needed in OCF, TEGOSTAB® B 8870 may be used in conjunction with a cell opener from the TEGOSTAB® or ORTEGOL® range.

Common use levels of TEGOSTAB® B 8870 in OCF are in the range of 3.0 and 6.0 parts per 100 parts of polyol. The optimal concentration will depend on specifics of the formulation.

Common use levels of TEGOSTAB® B 8870 in two component formulations are in the range of 1.5 and 3.0 parts per 100 parts of polyol. The optimal concentration will depend on specifics of the formulation.

Storage recommendations

- Shelf life: minimum 12 months. For exact date of expiration, please consider CoA.
- Storage conditions: dry and cool place in factory-packed containers.
- Solidification point: below 0 °C.
- Hence, storage temperature around 0 °C does not cause any deterioration of the material apart from the usual increase of the viscosity with falling temperatures. Nevertheless, it is recommended to bring the material to room temperature prior to use.

Safety instructions

Please consult the Safety Data Sheet for summary of product hazards, personal protective measures, and emergency release procedures.

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