

## TEGOSTAB® B 8418

TEGOSTAB® B 8418 is a hydrolysis-resistant polyethersiloxane co-polymer, which is mainly used for the production of higher density polyurethane foams and RIM (Reaction Injection Molding) type systems.

### Physical properties

Density (25 °C)	1.04 ± 0.01 g/cm <sup>3</sup>
Viscosity (25 °C)	1 000 ± 250 mPas
pH (4 % in water)	6.5 ± 1.5

### Instructions for storage

TEGOSTAB® B 8418 has a freezing point of about - 10 °C. Apart from increased viscosity, no other changes have been observed in the consistency of this product if it gets cold (but is kept above the freezing point). Nevertheless, it is recommended to heat the TEGOSTAB® B 8418 to normal ambient temperature before use.

For TEGOSTAB® B 8418 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

Despite its hydrophobic character, TEGOSTAB® B 8418 is soluble in all commonly used rigid foam polyols, resulting in a clear resin solution.

One key characteristic of TEGOSTAB® B 8418 is its outstanding ability to increase the air retention of the polyol component (nucleated resin) due to the optimized ratio of polysiloxane/polyether.

Based on this character TEGOSTAB® B 8418 is especially useful for the stabilization of polyurethane foams of higher density e.g. simulated wood and RIM.

A foam surface without any defects is the basic requirement for these type foams, which are mainly produced via RIM-technology, in which the reaction mixture has to flow rapidly through complicated molds.

The use of TEGOSTAB® B 8418 prevents “frosting” or “pinholing” on the surface of the foam, which is mainly caused by premature gas eruption in the reaction mixture.

The typical concentration of TEGOSTAB® B 8418 in these special applications should be between 0.5 parts and 2.5 parts per 100 parts polyol.

### Packaging

800 kg pallet (4 x 200 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

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