



Schill + Seilacher

Technical Data Sheet

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STRUKSILON 8002 Silicone Stabiliser for PU-Rigid Foam

Application Fields

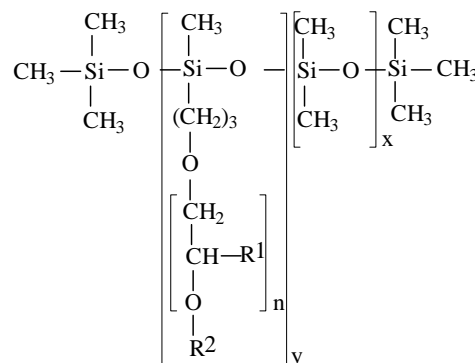
STRUKSILON 8002 is used as a silicone stabiliser for production of polyurethane rigid foam. It is especially recommended for the use in PU 1- or 2-component spray foam applications.

Chemical and Physical Properties

According to its chemical structure STRUKSILON 8002 is a polyether modified polydimethyl siloxane resistant to hydrolysis. Due to the negligible content of hydroxyl or other groups reactive towards isocyanates it is chemically inert in polyurethane formulations.

STRUKSILON 8002 is a clear, colourless to slightly yellow liquid of middle viscosity, has strong stabiliser properties and is miscible with water at room temperature.

General Chemical Structure



R¹ : H (EO); CH₃ (PO)

R² : H, Alkyl, Acetoxy

n : 1 - 50

x : 1 - 100

y : 1 - 20

Typical Properties:

Viscosity at 25°C	[mPas]	950
Turbidity point	[°C]	35
Density at 25°C	[kg/m ³]	app. 1030
Flash point (DIN/ISO 2562)	[°C]	> 100
Refractive index at 25°C		1.449
Storage stability		12 months in closed original containers if transported and stored at temperatures between 1 and 30°C.
Packaging		200 kg drums 1000 kg containers (IBC)

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Technical Properties

Due to its chemical structure STRUKSILON 8002 can be incorporated in A as well as in B-components. STRUKSILON 8002 is compatible with isocyanate. STRUKSILON 8002 can be mixed without problems with the polyols commonly used in the formulation of PU 1- or 2-component spray foam.

STRUKSILON 8002 is well suited for most of the common blowing agents like Propane/Butane, 134 a, 152 and dimethylether. STRUKSILON 8002's high activity results in high foam yields combined with excellent foam structures.

STRUKSILON 8002 can also be used in the majority of gun foam applications. As it might fail in some gun foam formulations it is recommend to check foam structure and shrinkage carefully before applying STRUKSILON 8002 in gun foam.

Recommended Dosage

Usually, STRUKSILON 8002 is applied in quantities of 0.5 to 1.5 php (parts on 100 parts polyol). We recommend to adjust the optimum dosage to the corresponding formula. However, a concentration of 3 php should not be exceeded.

Product Safety and Handling

STRUKSILON 8002 is not a hazardous material for the purposes of hazardous materials regulation. STRUKSILON 8002 does not contain aminic components. Further information regarding safety, toxicology, special properties of the product, transport and storage are given in the safety data sheet.

The data given are typical values which are not intended for use in preparing specifications. For test methods refer to the corresponding supplement.

The suggestions for application and usage of our products as well as possible proposed formulations are meant to advise only to the best of our knowledge. This information is without obligation and does not release customers from their own testings to ensure suitability for intended processes and use. Liability is only accepted in case of intention or gross negligence.

Liability for any defects caused by minor negligence are not accepted. Each producer is responsible and liable to observe legislation and patent rights of third parties.

This new leaflet replaces all previously printed documentation.

Alterations reserved. 11/2005

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