



Technical Data Sheet

STRUKSILON 8034

Silicone Stabiliser for Rigid Polyisocyanurate Foam

Application Fields

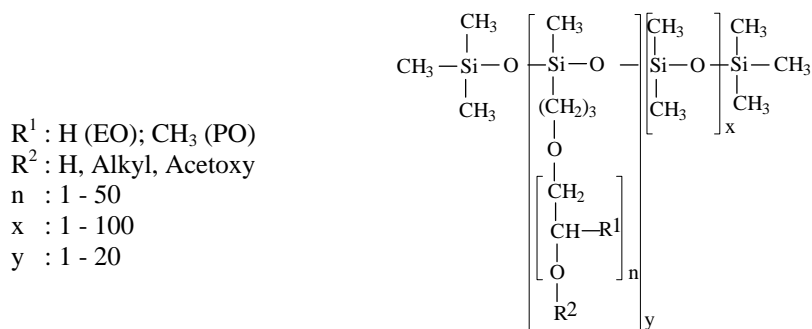
STRUKSILON 8034 is a silicone stabiliser for use in pentane-blown rigid PIR foams. STRUKSILON 8034 is used in the production of PIR as well as PUR rigid foam panels and for a range of other rigid polyurethane applications. STRUKSILON 8034 enables the production of PIR foam with excellent surface, substrate adhesion and thermal insulation.

Chemical and Physical Properties

According to its chemical structure STRUKSILON 8034 is a polyether modified polydimethyl siloxane resistant to hydrolysis.

At room temperature STRUKSILON 8034 is a clear to slightly turbid, colourless to slightly brownish liquid of medium viscosity.

General chemical structure:



Typical Properties:

Viscosity at 25°C	[mPas]	app. 550
Density at 25°C	[kg/m ³]	app. 1030
Flash point (DIN EN ISO 2719)	[°C]	> 100
Refractive index at 25°C		1.446

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

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Technical Properties

STRUKSILON 8034 was specifically designed for use in pentane blown rigid foam systems. STRUKSILON 8034 is especially recommended for n-pentane blown rigid polyisocyanurate systems used for instance in continuous PIR panel or PIR block foam manufacturing. Additionally, STRUKSILON 8034 is successfully applied in rigid foam systems using *c/i*-, *n/i*- or *c*-pentane and HCFC-141b as blowing agents.

Based on its excellent performance, the use of STRUKSILON 8034 can result in improved foam processing and better adhesion to flexible and rigid facings. STRUKSILON 8034 shows very good emulsification properties and is thus very well suited for the production of n-pentane blown PIR panels and PIR block foam. STRUKSILON 8034 offers good miscibility with most of the common polyol systems.

For the production of rigid foam with maximum requirements on flame retardant properties we recommend our product STRUKSILON 8026. Additionally, for use in n-pentane blown PIR-foam we recommend our products STRUKSILON 8031 or STRUKSILON 8032 and for use in n-pentane blown PUR foam our product STRUKSILON 8028.

Recommended Dosage

Usually, STRUKSILON 8034 is applied in quantities of 0.5 to 2.5 php (parts on 100 parts polyol). We recommend to adjust the optimum dosage to the corresponding formula.

Product Safety and Handling

STRUKSILON 8034 is not a hazardous material for the purposes of hazardous materials regulation.

Further information regarding safety, toxicology, special properties of the product, transport and storage is given in the safety data sheet.

Packaging, Storage and Transport

Storage stability	12 months in closed original containers if transported and stored at temperatures between 1 and 30°C.
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Packaging	25 kg cans, 200 kg drums, 1000 kg containers (IBC)
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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. 11/2007

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