



Schill + Seilacher

Technical Data Sheet

STRUKSILON 8017

Silicone Stabiliser for PU–Rigid Foam

Distributed by:

CELLCHEM INTERNATIONAL LLC

6065 Roswell Road NE, #1373

Atlanta, GA 30328-4011

Phone: (770) 514-8610

Fax: (770) 514-8618

Email: drspicher@cellchem.us



Application Fields

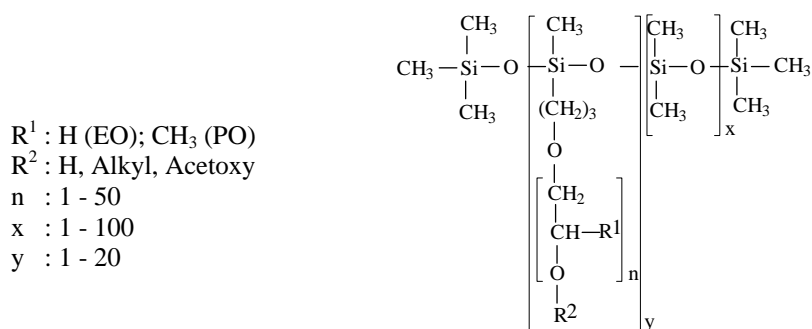
STRUKSILON 8017 was developed as specific silicone stabiliser for continuous production of PIR based rigid foam materials.

STRUKSILON 8017 is applicable in combination with HCFC's as well as pentane based blowing agents. It is especially designed for fast running machines with line speed higher than 30 m/min and high index foams.

Chemical and Physical Properties

According to its chemical structure STRUKSILON 8017 is a polyether modified polydimethyl siloxane resistant to hydrolysis.

General chemical structure:



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

Schill + Seilacher "Struktol"
Aktiengesellschaft
Moorfleeter Str. 28
22113 Hamburg
GERMANY

Phone: +49 40 73 36 2-0
 Fax: +49 40 73 36 2-194
 E-Mail: info@struktol.de

www.struktol.de



STRUKSILON 8017 is a clear, colourless to slightly yellow liquid of middle viscosity, has strong stabiliser properties and is miscible with water at room temperature.

Typical Properties:

Viscosity at 25°C	[mPas]	400 – 680
Density at 25°C	[kg/m ³]	app. 1050
Flash Point (DIN/ISO 2562)	[°C]	> 100
Refractive Index at 25°C		1.470

Technical Properties

STRUKSILON 8017 is a modified material that offers especially very good nucleation and fulfils exactly the requirements of very fast curing, mainly polyesterpolyol based PIR systems produced continuously at high production line speeds.

Due to the specific modification it is suitable for all blowing agents and offers good cell structures and k-factors in HCFC's, n/iso or cyclo-pentane based formulations.

STRUKSILON 8017 can be used for all common board thicknesses for 0.5 inch to more than 4 inch. Due to its wide production window STRUKSILON 8017 is also recommended when thickness of products or facings are changed frequently during production.

Recommended Dosage

Usually, STRUKSILON 8017 is applied in quantities of 1.5 php – 2.5 php (parts on 100 parts polyol). We recommend to adjust the optimum dosage to the corresponding formula. However, a concentration of 4.0 php should not be exceeded.

Product Safety and Handling

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

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Packaging, Storage and Transport

Storage stability	12 months in closed original containers if transported and stored at a temperature between 1 and 30°C.
Packaging	200 kg drums 1000 kg containers (IBC)

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.
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Schill + Seilacher "Struktol" Aktiengesellschaft Moorfleeter Straße 28 22113 Hamburg Germany
Phone: +49 40 73362-0 Fax: +49 40 73362-194 E-Mail: info@struktol.de