



Schill + Seilacher

Technical Data Sheet

STRUKSILON 8027

Silicone Stabiliser for PU-Rigid Foam

Distributed by:

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Application Fields

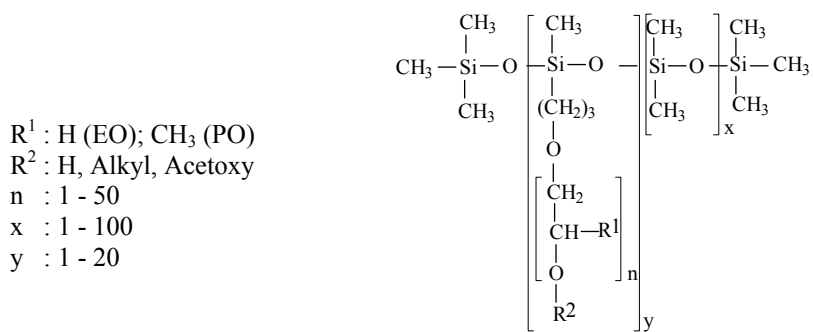
STRUKSILON 8027 is a specifically designed silicone stabiliser for appliance application and other applications where good flowability is required, like pipe insulation and hot water boiler production.

Chemical and Physical Properties

According to its chemical structure STRUKSILON 8027 is a polyether modified polydimethyl siloxane resistant to hydrolysis.

STRUKSILON 8027 is at room temperature a clear, colourless to slightly yellow liquid of middle viscosity.

General chemical structure :



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Typical Properties:

Viscosity at 25°C	[mPas]	950
Density at 25°C	[kg/m ³]	app. 1045
Flash point (DIN EN 22719) [°C]		> 100
Refractive index		1.4465

Technical Properties

STRUKSILON 8027 was specifically designed to give polyurethane foams excellent flowability, improved demould properties and very good insulation properties. For this reason it is especially recommended for systems used in appliance application, pipe insulation or other applications where excellent flowability is needed. It is mainly focused on systems where cyclopentane or mixtures of cyclo- and isopentane are used as blowing agents.

Based on its extraordinary performance, the use of STRUKSILON 8027 can result in improved λ -value, reduced flow factor and reduced post expansion of the foam. It offers good miscibility with most of the common polyol systems.

Additionally, a different product, STRUKSILON 8028, could be recommended for certain cyclopentane blown insulation systems with very high demands for flowability.

STRUKSILON 8027 could also be used in pentane blown continuous panel production. However, for this application we recommend our products STRUKSILON 8026, STRUKSILON XP 8031 and STRUKSILON XP 8032 which show either enhanced emulsification or improved FR properties (STRUKSILON 8026).

Recommended Dosage

Usually, STRUKSILON 8027 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 8027 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.

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

Packaging, Storage and Transport

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)

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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