

## Technical Data Sheet

### STRUKSILON® 8044

#### Silicone stabiliser for rigid PUR/PIR foam

STRUKSILON® 8044 is a stabiliser primarily used in PUR/PIR sandwich panels with rigid face sheets and in rigid block foam. STRUKSILON® 8044 is characterized by excellent compressive strength and outstanding thermal insulation. Due to its particularly good flowability, STRUKSILON® 8044 can be used for both continuous and discontinuous production processes.

STRUKSILON® 8044 can be used in pentane and also in HFO based applications.

#### Properties

Dyn. viscosity at 25 °C	[mPas]	525
Density at 25 °C	[kg/m <sup>3</sup> ]	1.0175
Flash point (DIN EN ISO 2719)	[ °C]	> 100
Refractive index at 25 °C		1.440
Physiological behavior:	see safety data sheet	
Packaging:	25 kg canister, 200 kg drum, 1000 kg IBC	
Storage stability:	24 months in closed original containers at transport and storage temperatures up to 30 °C Attention: Protect from frost!	

#### Recommendations for use

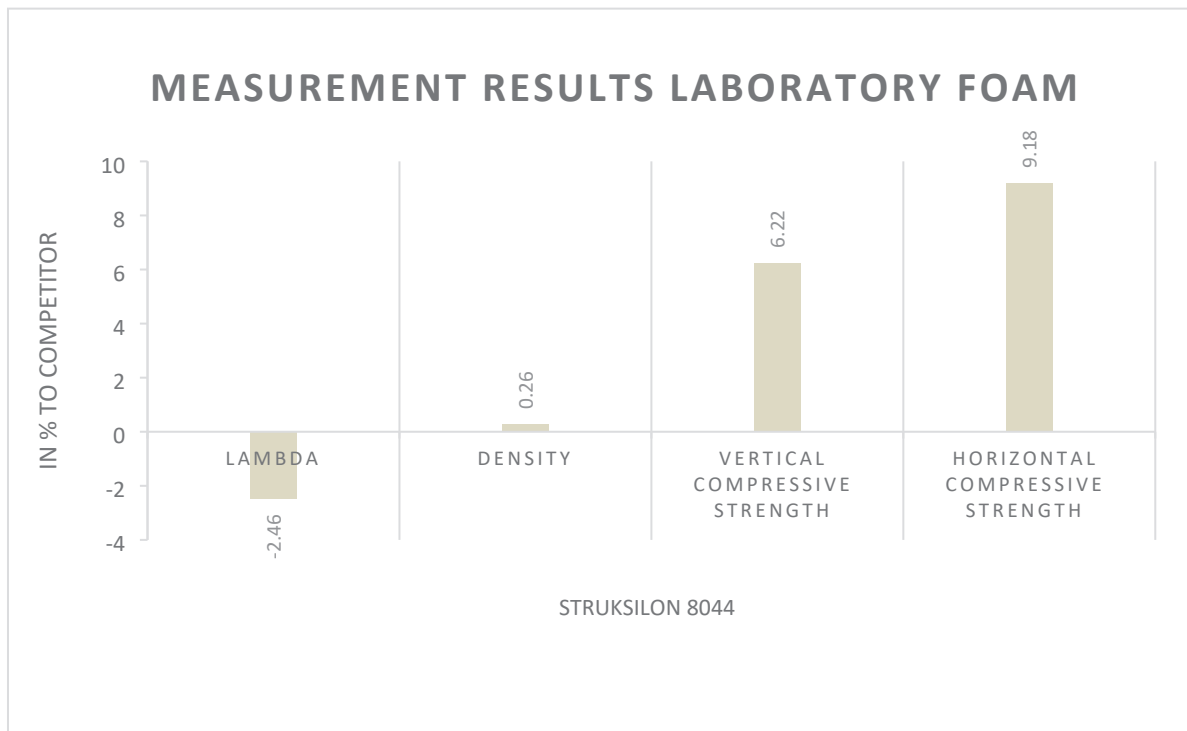
STRUKSILON® 8044 is generally used in concentrations of 1.0 to 3.0 php (parts per 100 parts polyol). We recommend to adapt the application quantity to the respective formulation. STRUKSILON® 8044 is particularly characterized by greatly improved compressive strength and lambda value. STRUKSILON® 8044 can be used in both PUR and PIR systems and with all blowing agents, such as n-, iso- or cyclopentane or even HFOs.



### Laboratory formulation:

Raw material	Example	Parts
polyol	Stepanpol 2352	100
flame retardant	T CPP	15
water	water	0,8
trimerisation catalyst	KOA 64	2,2
amine	PMDTA	0,5
stabilisator	Struksilon 8044	2,5
blowing agent	Pentan I 70	16,7
isocyanate	MDI M20S	210

### Laboratory results:



#### Disclaimer:

This publication is not a specification and does not contain any instruction manual or operating guidelines. It is provided for information purposes only and without any responsibility. Schill + Seilacher "Struktol" makes no representations about the accuracy, reliability or completeness of the information in this publication. We reserve the right to revise our not specified products and the information at any time without notice. The information in this publication is based on the present state of our knowledge and experience and serves the general description of our products and their possible applications. Our technical advice and recommendations, whether verbal, in writing or by way of trials, do not absolve the recipient, on account of the many outside influences which may affect the product use and application, from their own testing and trials. A legally binding assurance based on the information contained herein regarding particular properties or the suitability for definite customer applications cannot be derived from our information.

In accordance with the provisions of our General Terms and Conditions of Sale and Delivery, which can be accessed under [www.struktol.de](http://www.struktol.de), Schill+Seilacher "Struktol" excludes liability for slightly negligent breaches of obligations arising from the use of the information contained in this publication, provided that they do not relate to damage from injury to life, limb or health or guarantees or claims under the Product Liability Act are affected. Furthermore, the liability for the breach of obligations, the fulfilment of which is essential for the proper execution of the contract and on the observance of which the customer may regularly rely, remains unaffected. The same applies to breaches of duty by our agents.

This technical datasheet is created automatically and is valid without signature.

