

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/m3]	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!	

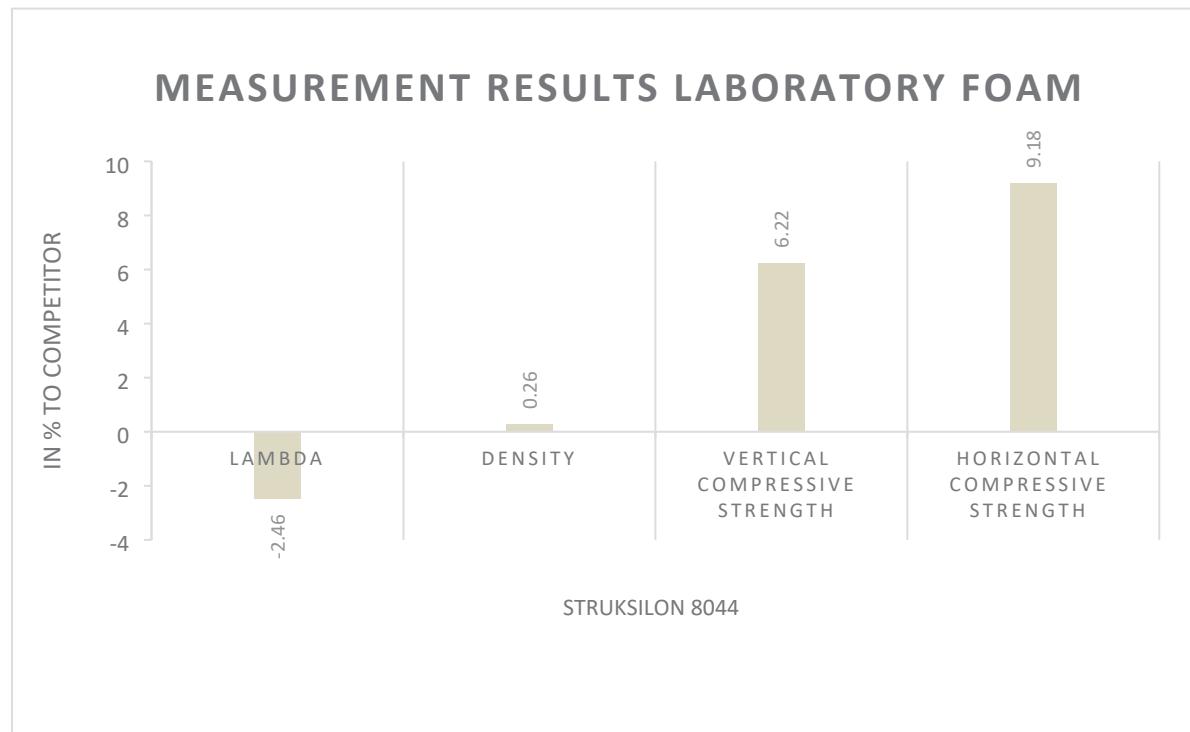
Recommendations for use

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	Stepanol 2352	100
flame retardant	TCPP	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:

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