



Stratocell Whisper FR S1

Acoustic Polyurethane foam | Absorption

Last changed: 2018-10-29

Properties	Standard (Test method)	Unit	Value
Cellular structure			Closed Celled (partly)
Colour			Black or White
Density	ISO 845	kg/m ³	25
Temperature - range (continuous)		°C	-30 to 90
Compression set; 25%	ISO 1856	%	<10
Compression set; 50 %	ISO 1856	%	<20
Compressive strength defl. 25%	ISO 3386	kPa	18
Compressive strength defl. 50%	ISO 3386	kPa	30
Tensile elongation crosswise	ISO1798	%	50
Tensile strength	ISO 1798	kPa	140
Thermal conductivity at 23°C	ISO 2581	w/mk	0,104
Water absorption	UNI EN 12088	kg/m ²	< 3 (after 28 days)
Water absorption	UNI EN 12088	%	< 4 (after 28 days)
Fire resistance	UL 94	Class	HF1
Fire resistance	DIN 4102	Class	B1
Fire resistance	EN 13501-1	Class	Class B (S1, D0)
Fire resistance	FMVSS 302	(mm/min)	<100

Product description:

Absorber for engine rooms, compressors, generators, ventilators, turbines, pumps etc.

Modules can also be used as a sound reduction machine guards, where the self sustained material is especially well suited.

Storage:

It is recommended by app. 20 °C (long-term storage)

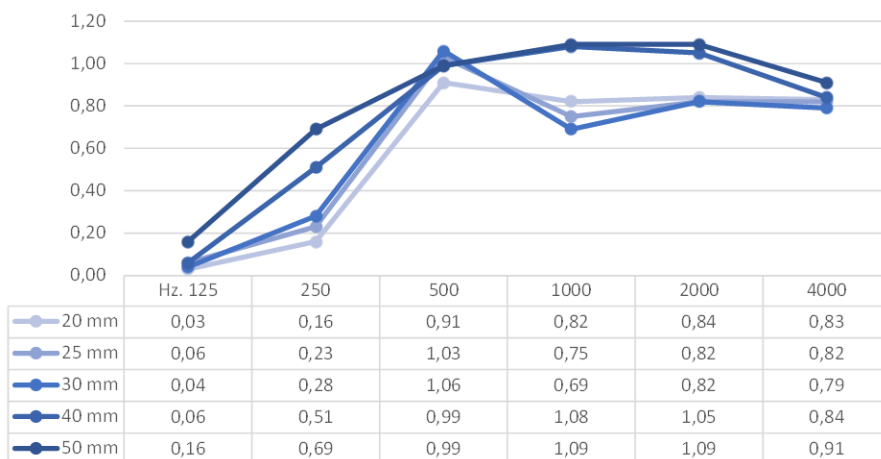
Mounting:

By about 20 °C - and on VERY clean surfaces (Be absolutely sure to remove all grease and oil on the surface). When the material is mounted upside down, it is recommendable to secure the application with bands or screws.

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Acoustic Data:



Indicative Acoustic data

Measurements are performed with careful control of temperature and humidity in an impedance tube in accordance with ISO 354 (rev. room).

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