Technical Information

Noiseflex® la ola PU

Noiseflex® la ola PU is an open cell, cut polyurethane foam, especially suited for sound absorption. For air-borne sound reduction and in conjunction with bituminized felt, impact noise reduction as well.

Noiseflex® la ola PU is available as standard in two grades:

1. Noiseflex® la ola PU 25 in a special, high-end foam quality with a burning rate < 100 mm / min. as per MVSS 302. The particularly good stability of this foam with regards to climatic conditions such as increased pressure resistance makes it especially suitable for the sound absorbing lining in machines, encapsulation or partial encapsulation such as for vehicle construction.

Application areas	non-self adhesive / self-adhesive Noiseflex® la ola PU as per MVSS	Noiseflex® la ola PU as per MVSS with bitumen board
Automobile manufacture	+	+
Caps and superstructures	+	+
Elevator construction		+
Refrigeration and air conditioning	+	+
Household devices	+	+
Utility vehicles	+	+
Caravans and motor homes	+	+
Rail vehicles	+	+
Woodworking machines	+	+
	+ highly suitable	

2. Noiseflex® la ola PU 18 as light foam for linings and coverings such as metal panels and hoods as well as pipe clamp insulations.

Technical data:

1. Noiseflex® la ola PU 25 quality as per MVSS 302

Material	polyurethane soft foam	
Colour	anthracite	
Raw density	19 ± 1 kg / m³	DIN EN ISO 845
Compression load deflection	4.0 ± 0.7 kPa	DIN EN ISO 3386
Hardness loss	max. 35 %	DIN EN ISO 3386
Tensile strength	min. 100 kPa	DIN EN ISO 1798
Elongation	min. 90 %	DIN EN ISO 1798
Compression set	max. 5.5 %	DIN EN ISO 1856
Temperature stability	- 40 °C to + 100 °C	
Fire behaviour	burning rate < 100 mm / Min	MVSS 302
Thermal conductivity	λ = 0.033 – 0.04 W / (m·K)	Literature

2. Noiseflex® la ola PU 18 light quality

Material	Polyurethane foam	
Colour	anthracite, special colours are available on request	
Raw density	16 ± 2 kg / m³	DIN EN ISO 845
Tensile strength	≥ 70 kPa	DIN EN ISO 1798
Elongation at break	≥ 100 %	DIN EN ISO 1798
Compression strength at 40 % compression	2.5 ± 0.5 kPa	DIN EN ISO 3386-1
Compression set at 50 % compression, 22 h, 70 °C	≤ 10 %	DIN EN ISO 1856

Versions:

1. standard as Noiseflex® la ola PU
2. as Noiseflex® la ola PU with self-adhesive coating
3. as Noiseflex® la ola PU with bitumen board (1.3 kg / m² and 2.1 kg / m²) and self-adhesive coating

Standard sizes:
1000 x 500 mm
Nub height 20 mm, base height 30 mm

Both standard sizes include a visually appealing area where elements adjoin.

Further versions and dimensions are available on request. Please be specific in your request.

Processing notes:
For full surface gluing of Noiseflex® la ola PU (not with bitumen board) onto walls or ceilings we recommend our BOSIG Acoustic Adhesive. Please observe the technical instruction sheet specifications and the processing notes of BOSIG Acoustic Adhesive. Particularly Noiseflex® la ola PU shall be installed with continuous joints. Displacements are to be avoided.

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