Product Specification

NOISEflex® Piano

Closed cell polyethylene foam

Technical data:

Nominal Density		25 kg/m³	ASTM D3575-08 Suffix W / ISO 845:2006
Compressive Strength	vertical at 25%	7 kPa	ASTM D3575-08 Suffix D / ISO 7214:2007
	vertical at 50%	12 kPa	
Compressive Strength	25 % (4th compression)	3 kPa	ISO 3386 1986 part 1 / DIN 53577 (100 mm
	50 % (4th compression)	7 kPa	/ min compression speed)
	70 % (4th compression)	25 kPa	
Compression Set	50 % compression	< 30 %	ASTM D3575-08 Suffix B
	25 % compression	< 20 %	ISO 1856:2000
Cell Size		< 10 Cells / 25 mm	BS 4443/1 Met.4
Fire characteristics	Transportation	R10, HL1-3 - Floor composites	TS EN 45545-2
		R1, HL1 - Interior vertical surfaces	TS EN 45545-2
		R7, HL1 - External body shell	TS EN 45545-2
	Automotive	S3, SR2, ST2	DIN 54837
		Pass	FMVSS 302
	Building & Construction	B1	DIN 4102
		B-s1-d0	EN 13501-1, Thickness 20 – 30 mm
		B-s2-d0	Thickness 40 – 100 mm
Water pick up by diffusion		< 3 kg / m²	UNI EN 12088 (RH > 95 % - after 28 days)
		< 5 volume %	
Thermal Conductivity	at 23 °C	λ_{23} = 0.104 W/m·K	ASTM D3575-08 Suffix V / ISO 8301
	at – 5 °C	λ_{-5} = 0.082 W/m·K	
Thermal stability	24 hrs. at 70 °C	< 3 %	ASTM D3575-08 Suffix S / ISO 2796
Temperature range of use		- 40 °C to + 80 °C	
Tensile strength	at peak	130 kPa	ASTM D3575 Suffix T / ISO1798
Tensile Elongation		60 %	ASTM D3575 Suffix T / ISO1798
VOC Emissions		Class A+	AFNOR NF EN ISO 16000-9
Airflow resistivity	25 mm	510,000 Pa·s/m³ = Rayls/m²	UNI EN 29053: 1994
	50 mm	2,785,000 Pa·s/m³ = Rayls/m²	

Attention! Important Note:
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This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

Dr. Hermann, Anwendungstechnik / Application Technology, Gingen / Fils

BOSIG GmbH D – 73333 Gingen, Brunnenstraße 75 - 77 Telephone +49(0)7162-40 99-0 Fax +49(0)7162-40 99-200 www.bosig.de info@bosig.de