

Closed cell polyethylene foam, CFC and HCFC free

Technical data:

Nominal Density	30 kg/m ³	ASTM D3575-08 Suffix W / ISO 845:2006
Compressive Strength vertical at 25%	10 kPa	ASTM D3575-08 Suffix D / ISO 7214:2007
vertical at 50%	24 kPa	
Compressive Strength 25 % (4 th compression)	3 kPa	ISO 3386 1986 part 1 / DIN 53577 (100 mm / min compression speed)
50 % (4 th compression)	13 kPa	
70 % (4 th compression)	50 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 Building & Construction	B2	DIN 4102
Traffic Noise barriers	Class 1	EN 1794-2
Water pick up by diffusion	< 3 kg / m ² < 5 volume %	UNI EN 12088 (RH > 95 % - after 28 days)
Thermal Conductivity at 23 °C	$\lambda_{23} = 0.104 \text{ W/m}\cdot\text{K}$	ASTM D3575-08 Suffix V / ISO 8301
at - 5 °C	$\lambda_{-5} = 0.082 \text{ W/m}\cdot\text{K}$	
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	70 %	ASTM D3575 Suffix T / ISO1798
VOC Emissions	Class A+	AFNOR NF EN ISO 16000-9
Airflow resistivity 25 mm	510,000 Pa·s/m ³ = Rayls/m ²	UNI EN 29053: 1994
50 mm	2,785,000 Pa·s/m ³ = Rayls/m ²	

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

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.

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