Paneltim[®] Base

TECHNICAL DATA SHEET

Panel:

Size (23°C)	Thickness	Cell structure	Exteriour wall thickness	Weight				
2590 mm x 996 mm	51mm	50 mm x 50 mm	5 mm	13 kg/m ²				
Core:								
Material properties								
Polypropylene copolymer (non-PTS* prime) – with UV additive								
	1	Mechanical properties (23°C)						
Density		ISO 1183-1	905 kg/m ³					
Yield stress		EN ISO 527		26 Mpa				
Strain at yield		EN ISO 527	4-7%					
Tensile modulus of elasticity		EN ISO 527	1300 Mpa					
Notched impact resistance (IZOD)		EN ISO 180	8 kJ/m2					
		Thermal properties						
Thermal conductivity (λ)		DIN 52612-1	0.2 W/(m*K)					
Thermal capacity		DIN 52612	1700 J/(kg*K)					
Coefficient of linear thermal expansion		DIN 53752	100 - 180 *10-6/K					
Product properties								
Acoustic properties								
weighted sound reduction index (Rw-value)		EN ISO 717-1	25 dB					
		Thermal properties						
Thermal resistance (R-value)		DIN 52612-1	0.267 (m²*K)/W					
Thermal conductivity (λ)		DIN 52612-1	0.187 W/(m*K)					
	1	Mechanical properties (23°C)						
equivalent modulus of elasticity		under three-point load	620 Mpa					

Backing:

Material	Lamination	Thickness	Color	Туре
Polyester	Double sided	0,5 mm	White	Non-woven 100 gram/m²

Recycling:

Recyclable, dispose in accordance with local instruction/regulations

Disclaimer: This information contains only typical properties of the products. This means these values can deviate. It is the customer's responsibility to inspect and test the product(s) in order to establish the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use while processing and handling all product(s) purchased from us. Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or suitability for a particular purpose.

The latest version of this technical data sheet will be available on our online platform. Contact Paneltim for more information.



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