



TECHNICAL DATA SHEET THPP80-FN

PRODUCT DESCRIPTION

Standard dimensions (width x length)	1.200 mm x 2.500 mm	
Core thickness & Cell size	Core thickness (h)	Cell size (c)
	3,5 mm	3,0 mm
	5,0 / 6,0 mm	4,0 mm
	8,0 / 10,0 mm	8,0 mm
	12,0 / 15,0 mm	5,0 mm
	20,0 / 23,0 / 28,0 mm	9,6 mm
Tolerances	Length	+10 / -1 mm
	Width	+2 / -1 mm
	Core thickness	+/- 0,3 mm
	Squareness	+/- 0,2°
	Density	80 - 90 kg / m ³
Surface finish	Typ FN / 50 µm Polypropylen Film / 40 g/m ² Polyester Nonwoven	

PHYSICAL PROPERTIES

Compressive strength	1,2 MPa (174 Psi)	ASTM C365-57
Compressive modulus	40 MPa (5.800 Psi)	ASTM C365-57
Shear strength (L-W)	0,5 MPa – 0,3 MPa (73 Psi – 44 Psi)	ASTM C273-61
Shear modulus (L-W)	15 MPa – 6 MPa (2.176 Psi – 870 Psi)	ASTM C273-61
Temperature range for processing and application (°C)	- 30 to +80 short term to +140	
Thermal conductivity	0,065 W / mK	
Fire-resistance	Normally inflammable (building material class B2 DIN 4102-1, respectively D according to EU classification), higher grades of fire resistance can be obtained in sandwich elements when using specialized skin materials.	
Chemical resistance	Excellent resistance to water, most acids, bases and salt solutions.	
Resistance to UV rays	Lasting UV resistance can be guaranteed in sandwich elements when using appropriate skin materials.	

LIABILITY FOR DEFECTS

All information provided herein is based on our current knowledge and experience. Due to the high number of possible influences during processing and application, the information does not release the processor from the necessity of carrying out his own investigations and tests. Information contained herein and explanations provided by ThermHex Waben GmbH in connection with this printed matter does not represent acceptance of a guarantee. Guarantee statements require special explicit written declarations on behalf of ThermHex Waben GmbH to be effective. The constitutions stated in this datasheet determine the properties of the delivery item extensively and conclusively. Application suggestions do not establish assurance of suitability for the recommended application.

We reserve the right to adapt the product to satisfy technical progress and new developments. We would be pleased to help with any enquiries including those related to special application issues. If the application for which our products are used is subject to statutory approval, the user is responsible for the procurement of such approval. Our recommendations do not release the user from the obligation of taking the possibility of impairments to third-party rights into account and of clarifying these if necessary. Furthermore we refer to our General Terms and Conditions, especially with regard to any possible liability for defects. If you are not in possession of our General Terms and Conditions we would be pleased to supply these on request.

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