



## TECHNICAL DATA SHEET

# THPP120-FN

### PRODUCT DESCRIPTION

Standard dimensions (width x length)	1.200 mm x 2.500 mm	
Core thickness & Cell diameter	Core thickness (h) 3,5 mm	Cell diameter (c) 3,0 mm
Tolerances	Length	+10 / - 1 mm
	Width	+2 / - 1 mm
	Core thickness	+/- 0,3 mm
	Squareness	+/- 0,2°
Density	120 - 130 kg / m <sup>3</sup>	
Surface finish	Type FN / 50 µm Polypropylen Film / 40 g/m <sup>2</sup> Polyester Nonwoven	

### PHYSICAL PROPERTIES

Compressive strength	1,6 MPa (232 Psi)	ASTM C365-57
Compressive modulus	20 MPa (2.900 Psi)	ASTM C365-57
Shear strength (W-L)	0,5 MPa – 0,3 MPa (73 Psi – 44 Psi)	ASTM C273-61
Shear modulus (W-L)	15 MPa – 6 MPa (2.176 Psi – 870 Psi)	ASTM C273-61
Temperature range for processing and application (°C)	- 30 to +80 short-term up 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

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