



## TECHNICAL DATA SHEET

# THPP80-FN

### PRODUCT DESCRIPTION

Standard dimensions (CD, L x MD, W)

Core thickness & Cell size

Tolerances

Density

Surface finish

1.200 mm x 2.500 mm

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 mm

5,0 mm

23,0 / 28,0 mm

9,6 mm

MD, W

+10 / -1 mm

CD, L

+2 / -1 mm

Core thickness

+/-0,3 mm

Squareness

+/-0,2°

80 - 90 kg / m<sup>3</sup>

Typ FN / 50 µm Polypropylen Film / 40 g/m<sup>2</sup> 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 (CD, L x MD, W)

0,5 MPa - 0,3 MPa (73 Psi - 44 Psi)

ASTM C273-61

Shear modulus (CD, L x MD, 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

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