



## TECHNICAL DATA SHEET

# THPP60-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) |
|                                      | 5,0 mm  | 4,0 mm        |
|                                      | 8,0 / 10,0 mm   | 8,0 mm        |
|                                      | 12,0 mm   | 5,0 mm        |
|                                      | 15,0 / 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                              | 60 - 70 kg / m <sup>3</sup>   |               |
| Surface finish                       | Typ FN / 50 µm Polypropylen Film / 40 g/m <sup>2</sup> Polyester Nonwoven |               |

### PHYSICAL PROPERTIES

|   |   |              |
|---|---|--------------|
| Compressive strength                                  | 0,6 MPa (87 Psi)  | ASTM C365-57 |
| Compressive modulus                                   | 15 MPa (2.176 Psi)  | ASTM C365-57 |
| Shear strength (L-W)                                  | 0,4 MPa – 0,2 MPa (58 Psi – 29 Psi)   | ASTM C273-61 |
| Shear modulus (L-W)                                   | 14 MPa – 5 MPa (2030 Psi – 750 Psi)   | ASTM C273-61 |
| Temperature range for processing and application (°C) | - 30 to + 80<br>short term to + 140   |              |
| Thermal conductivity                                  | 0,060 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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