



TECHNICAL DATA SHEET

THPP120-FN

PRODUCT DESCRIPTION

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|--------------------------------------|--|-------------------------------|
| Standard dimensions (width x length) | 1.200 mm x 2.500 mm | |
| Core thickness & Cell diameter | Core thickness (h) | Cell diameter (c) |
| | 3,5 mm | 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 ³ |
| Surface finish | Type FN / 50 µm Polypropylen Film / 40 g/m ² 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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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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