

## Thermopressed Multilayer Boards

In the production of high-performance thermoplastic composites, the **matrix materials polypropylene (PP), polyamides (PA), polyphthalamides (PPA), thermoplastic polyester (PBT), polyphenylene sulfide (PPS) and polyethylene (HDPE)** are reinforced with woven or nonwoven fibres (**glass/carbon fiber technology**). The outcome are innovative composites featuring cross sections with excellent mechanical properties and high rigidity despite low energy absorption. The product is mouldable and can serve as a substitute for steel, aluminium, magnesium, for example, or as extra reinforcement for other materials.



### Advantages:

- Realisation of a variety of surface finishes
- Materials with optimal physical and technical properties, depending on the selected thermoplastic
- Thermoplastic combinable with metal inlays or fibrous materials
- Light weight advantages
- High shape retention on exposure to heat and good dimensional stability with only minimal distortion, depending on the selected thermoplastic
- Relatively tension-free production
- Processing of high-temperature materials
- High elongation at break and elastic energy absorption
- Fiberglass shows outstanding corrosion behaviour even in aggressive environments
- Flame-retardant
- Weldable
- plasticizer-free (DIN EN ISO 11833-1)
- Shape retaining



# Thermopressed Multilayer Boards

## Availabilities:

- PVC und PVC-C (DIN 7748)
- Glass / PA Matrix
- Carbon Fiber / PA Matrix
- CF & Glass / PPS, PBT, HDPE

Sizes: 1,000 x 1,000 mm  
2,000 x 1,000 mm  
2,440 x 1,220 mm



Thickness up to 150 mm



## Contact

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