LB THERM
VALUE INSIDE

GFK standard sandwich panel

Composition: GFK - XPS - GFK

The GFK (Glass-Fiber Reinforced Plastic / Glass-Fiber Reinforced Polymer) sandwich panel is composed of two thin layers reinforced with glass fiber and a lightweight XPS core, combining low weight with high mechanical and weather resistance. The STANDARD version features an external laminate with visible glass fiber.

Sizes:

length x width - max. 9000x3000 mm,
thickness - max up to 150 mm.

Top layer GFK standard:

white laminate with white gelcoat* and visible glass fiber,
thickness: 1-5 mm,
density: 1400 [kg/m^3] (ISO 1183),
fire resistance: E (EN 13501-1).

* Available also in various RAL colors upon request.

Inner layer XPS:

closed-cell structure extruded polystyrene (XPS) with grooves, without HBCD,
density: ≥ 33 [kg/m3] (EN 1602),
thermal conductivity (λ): 0,034 [W/mK] (EN 13164)
water absorption: < 1% (EN 12087),
fire resistance: E (EN 13501-1),
compressive strength at 10% deformation: 200/300 [kPa] (EN 826). **

** 500 and 700 kPa available upon request.

Other sizes and thicknesses available on request. Other data regarding the product are available in the LB THERM Panel Using Sheet and in the General Terms and Conditions of Sales. Because of variety usage of our products, the company is not liable for physico-chemical parameters and properties in conditions different than standard, as well as interference in their original structure (painting, lacquering, coating by other materials etc.). This TDS is based on information that is believed to be reliable, but may be subject to change as new information become available. Modification and copying the contents of this document unless specifically authorized by LB THERM Sp. z o.o. are strictly prohibited.

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