LAMILUX High Strength

- Innovative fiberglass solutions

LAMILUX

product description and application

Description

LAMILUX High Strength is a fiberglass product with uni-, bi- or multiaxial roving reinforcement. It represents a newly developed material to achieve superior tensile and flexural moduli and strengths. Due to the high glass content it also exhibits a very favorable thermal expansion-behavior.

Superior tensile and flexural strength

Multiaxial Fabric

LAMILUX High Strength is available

- In thicknesses of 1.0 mm up to 3.0 mm
- With uni-, bi- (0/90°, ±45°) and multiaxial fabrics reinforcement
- With or without gelcoat or with premium high gloss-surface
- In sheets or coils
- With smooth, corona treated or presanded backside
- With or without tack film
- Other thicknesses and dimensions as well as further colors on request

Specific advantages

- Superior tensile and flexural strength
- Low thermal expansion coefficient

Application

- Construction panels
- Truck bodies

Technical Values for LAMILUX High Strength

Technical dates and mechanical properties LAMILUX High Strength	Test method		Without gelcoat	With high gloss gelcoat
Thickness	internal		2.0 mm	2.7 mm
Weight	internal		3180 g/m²	4050 g/m²
Glass content	internal		39 %	34 %
Flexural strength	DIN EN ISO 14125	longitudinal transversal	160 N/mm² 140 N/mm²	135 N/mm² 120 N/mm²
Tensile strength	DIN EN ISO 527-4/2/2	longitudinal transversal	160 N/mm² 130 N/mm²	140 N/mm² 100 N/mm²

These values are only valid for the product quality and thickness written in the table. The information submitted in this data sheet is based on our current knowledge and experience, no responsibility is taken for the correctness of the details provided. These data do not relieve processors from the responsibility of carrying out their own tests. This is not a specification. Further detailed information are available on request.