



LAMILUX X-TREME @ -80 °C

SAFE AND HYGIENIC COVID-19 VACCINE TRANSPORT



Customized Intelligence
Serving the customer is our first priority

LAMILUX X-TREME FACING SHEETS FOR VACCINE TRANSPORT – SECURE, LIGHTWEIGHT, HYGIENIC

The refrigerated transport of sensitive and valuable goods such as COVID-19 vaccines, demands a lot from materials used in the means of transport. Bumps, extreme cold, contaminations: non-stop use and no time for cleaning or repairs.

The GRP top layers, manufactured by LAMILUX Composites in Germany for over 50 years and used worldwide, help ensuring the safe transport of sensitive vaccines. Maximum durability, maximum hygiene, minimum weight: thanks to decades of experience and continuous material development, LAMILUX X-treme materials have become the benchmark for the highly stressed and safe transport of sensitive goods.

- Extreme robustness and strength even at temperatures of -80 °C
- Hygienic, easy-to-clean surface
- Antibacterial surface according to DIN EN ISO 22196
- Lowest thermal expansion ($\alpha > 12 \cdot 10^{-6}/K$)
- Low thermal conductivity
- Highest lightweight construction potential
- Corrosion-free
- Maximum UV- and weather resistance for outdoor use




Your advantages with LAMILUX

- Safe and damage-free transport thanks to highest mechanical and chemical resistance
- Minimization of contamination through the AntiBac function and joint-free surface
- Reduced operating costs and increased payload through weight saving
- Reduction of maintenance costs and downtimes
- Long-lasting and representative appearance - even when used outdoors

Lightweight construction potential compared to metals

Specific tensile strength (MPa) / (g/cm³)

LAMILUX X-TREME Tensile strength up to 1000 MPa Density: 1.8 g/cm ³ 	Aluminium Tensile strength ≈ 300 MPa Density: 2.7 g/cm ³	Steel Tensile strength ≈ 500 MPa Density: 7.85 g/cm ³
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