

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

Bond-Laminates GmbH is a wholly owned subsidiary of LANXESS Deutschland GmbH and develops and produces continuous fibre-reinforced thermoplastic composites in continuous processes suitable for mass production. As part of the LANXESS HPM (High Performance Materials) business unit, Bond-Laminates has the capability of in-depth feasibility analyses including the simulation of components.

Tepex® is a high-performance composite material essentially based on continuous fibre reinforcement made of glass and/or carbon in combination with thermoplastic polymers such as PP, PA6, PA6.6, TPU, PPS, etc. The fully consolidated semi-finished products (organic sheets) have high rigidity and strength combined with low density. The material enables the cost-efficient, mass production of components in very short cycle times. Tepex® is fully recyclable.

Am Patberschen Dorn 11
59929 Brilon
North Rhine-Westphalia
Germany
www.bond-laminates.de



Organisation type
Small or medium-sized enterprise

Sectors

Employees
50 up to 249

Turnover
n/a

Funding



Main areas covered
Thermoplastic composites

Infrastructure
Water jet cutting system, Various testing facilities, Laboratory facilities

Certifications
ISO 9001

Keywords
Tepex®, Organosheet, Composites, Fibre composite material, Thermoplastic

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Semi-finished parts		✓	✓
Services & consulting Prototyping, Simulation			✓
Field of technology			
Design & layout Hybrid structures, Lightweight construction concepts, Lightweight material construction		✓	
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology			
Others (Continuous fibre-reinforced thermoplastic composites from a continuous production process.)		✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites			
Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)		✓	✓
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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