

**IDEAS**  
**become**  
**REALITY**

INNOVATIVE TECHNOLOGY – MADE IN GERMANY

## The Lightweight Composite

Beyond the boundaries of conventional formats, thermally formable, a wide application spectrum and availability in large quantities. Result: Consisting of up to 10 layers of glass fibres/polypropylene UD-tape, **Progano's** enviable specifications are setting standards for the next generation of lightweight composites. Also, it is fully recyclable and reduces the CO<sub>2</sub> footprint by factor 4 compared to aluminum.

### Lighter

Progano components weigh up to 39% less. It's not as dense as aluminum and Progano components can be created using less material.

### Stronger

Progano is at least 50% stronger than aluminium alloys of similar proportion and performs exceptionally well in crash tests.

### Faster

Reduced manufacturing durations and costs through the direct integration of multiple elements in a single component construction process.

## Specifications

- 72% continuous glass fibre
- 28% polypropylene
- Density 1.65 g/cm<sup>3</sup>
- Weight 330 g/m<sup>2</sup> (single layer UD-tape)
- Layer thickness 200 µm
- Up to 10 layer (proUD-0° & proUD-90°)
- Width max. 1 200 mm
- Length max. 2 000 mm (up to 3 000 mm in progress)



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