



Cast Film and Sheet

Lightweight Composites



Parts made of new Progano® sheet are lighter than aluminum and as strong as steel.

Progano® lightweight composite sheet is an advanced fiber-reinforced plastic made of continuous glass fibers embedded in polypropylene. It can be used in almost any thermoplastic application to replace aluminum and steel in many components.

Typical applications.

- Automotive door panels
- Side crash protection
- Bumper beam structures
- Engine carriers
- Automotive seat backrests
- Automotive armrests
- Trunk liners
- Car battery boxes
- Instrument panels
- Scaffolding boards
- Concrete casting boards
- Drainage covers



Polyolefin film products.

Progano® sheet enables automotive manufacturers to decrease component weight, increase strength, and improve production efficiency. The glass-reinforced composite material is also used in the construction industry and other technical markets.

Progano®

Progano lightweight composite organo sheet is a fiber-reinforced polymer made of glass fibers embedded in a polypropylene matrix. It is 30% lighter than aluminum and has similar strength as steel. Progano semi-finished sheet can be formed in many shapes using existing thermal presses and injection molding machines. Functional elements such as threaded connections and inlays can be integrated directly into the production process, saving significant labor and handling costs. Learn the latest updates at profol.com/progano.

Lighter

Progano sheet has a low density that makes it 30% lighter than aluminum, but still as resilient.

Stronger

Progano is as strong as steel, and demonstrates more flexibility in crash tests.

Faster

Functional elements can be integrated directly into the production process, saving time and money.



Standard specifications.

- E-Fiber: 2400 Tex / 17 micron filament
- Polymer: Polypropylene plus bonding (coupling) agent
- Composition by weight: 28% PP, 72% glass
- Density: 1.75 g/cm³
- Meter weight: 350 g/m² (single UD Tape)
- Standard 10-layer symmetrical construction: 0°/90° - 4:1
- Thickness: 2.0 mm
- Width max.: 1200 mm
- Length max.: 2000 mm
- Color: Black

Contact us at any of our worldwide locations.

We look forward to showing you how our polyolefin-based cast film and sheet products can perform to meet your lightweight composite needs.

Learn more about how

Profol Performs at profol.com.

profol[®]
Performs

europa | americas | asia

profol.com