



Cast Film and Sheet

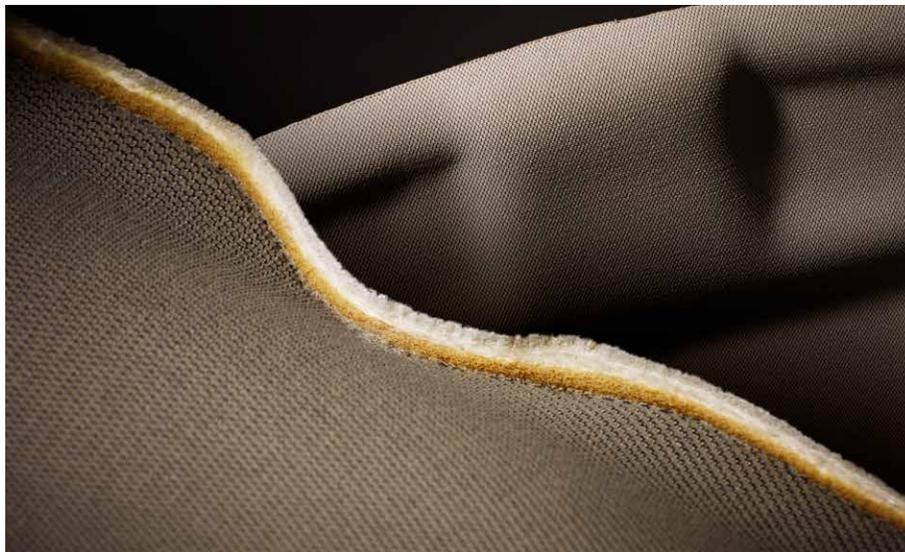
Automotive



**Laminations, composites,
moisture barriers and
masking films.**

Films that protect automobiles inside and out.

Profol helps manufacturers keep their automobiles looking their best from transit to showroom. Profol films are used in many areas inside the vehicle including headliners, rear window deck lids, trunk/cargo spaces, floor liners, carpet backing, underbody shields, and car doors. Our protective masking films also protect surfaces outside the vehicle during manufacture and transport.



Thermally bonded lamination films for lightweight composites.

After thermal lamination with other composite materials, Profol lamination film can be thermoformed to reach the designed structural form. These semi-structural components are widely used in automotive headliners, instrument panels, interior trim, RV trailers, SUV storage covers, and other applications.

Reinforced lightweight composites.

Automotive parts made of Profol lightweight reinforced composites are lighter, stronger and more efficient to manufacture than some metal materials that they can replace. Organo sheet can be formed into automotive door panels, side crash protection, bumper beam structures, engine carriers, battery boxes, and other components.

Moisture barrier door films.

Profol polyolefin film provides a chemically resistant and economical moisture barrier. The film is thermally bonded to composite material on the inside of an automotive door to avoid unwanted ventilation and to keep moisture, dust and dirt outside of the vehicle cab.

Protective masking films.

Profol's line of films for automotive masking is specifically designed to meet stringent automotive OEM requirements. It provides ease of application from self-wound rolls and clean surface removal.

Polyolefin film products.

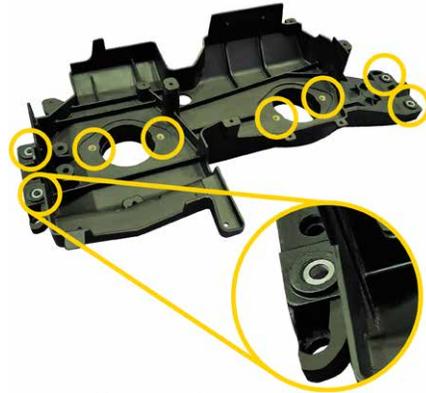
Profol films are available in a wide variety of thicknesses, embossed textures and grades.

Composite structure thermal lamination adhesive film

Profol melt and skin films for LWRT (Lightweight Reinforced Thermoplastics) have an embossed surface and provide outstanding thermal bonding of polypropylene (PP) to carpet and other substrates. They are available with customizable bond layers and in several grades to meet performance and cost requirements. Profol films are easy to thermally laminate to PP composites and PET scrim, and are easy to perforate. They also provide a good moisture barrier, are sound deadening, and have excellent chemical resistance to automotive fluids.

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. Functional elements such as threaded



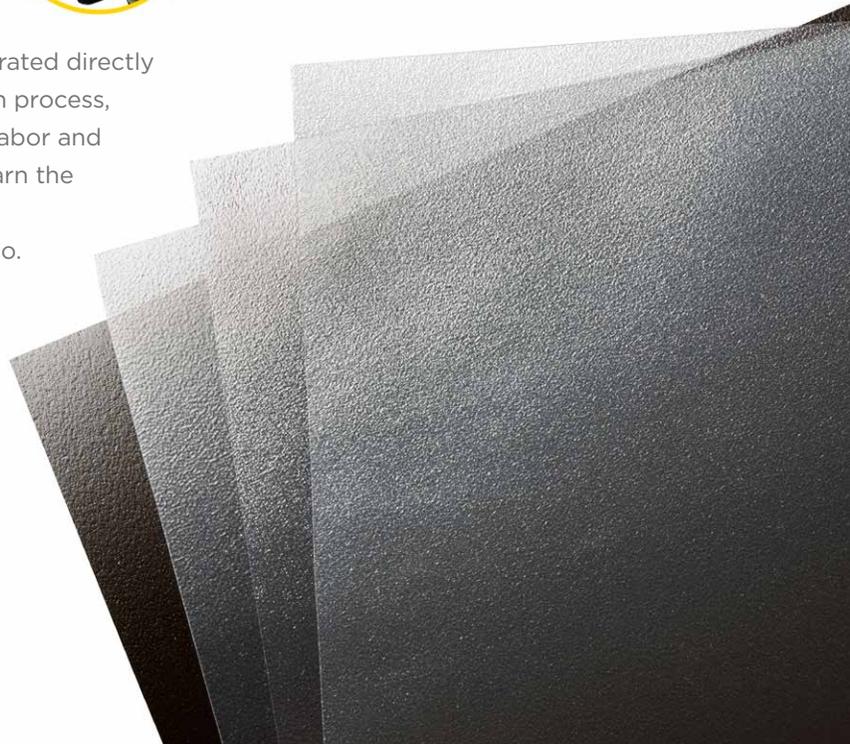
connections and inlays can be integrated directly into the production process, saving significant labor and handling costs. Learn the latest updates at profol.com/progano.

ProMask™

This multilayer cast polypropylene film has been specially engineered to be the ideal substrate for



adhesive-coated protective masking tapes. ProMask is corona treated on one side so that it can be easily coated with a variety of water-based and solvent-based adhesives. It has excellent chemical resistance and is UV stabilized for outdoor use. The film is easy to apply and remove from paint surfaces, wheels, and other automotive components.



Give us your toughest challenge. We'll give you the best solution.



Profol performance means more than providing custom film solutions for automotive applications. It's our promise to you that we'll deliver technical expertise and innovation, provide steadfast customer support, and always stay adaptable to your changing needs.

Learn more about how Profol Performs at profol.com.

Manufacturing capabilities.

- Custom colors available
- Multiple embossed patterns
- Corona treatment on one or both sides
- Film thickness range: 25-760 μm (1-30 mil)
- Available machine web widths: 1400-2700 mm (55-106 in.)
- Outside roll diameter: Up to 1200 mm (47 in.)
- In-line slitting to custom roll widths: 80-2700 mm (3-106 in.)

Product development assistance.

Remove the guesswork when you want to know which film best fits your production process. The engineers at Profol are available to help you develop custom solutions for your automotive applications. With dedicated research and development lines in Europe and America, we have the tools to quickly find the best solution for your application.

Contact us at any of our worldwide locations.

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

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Performs

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