

CONVERSION CAPABILITIES

TROCELLEN® is using a large variety of conversion capabilities to add value to its foam product portfolio. Within the TROCELLEN® Group we build up key locations for the different kind of applications. These include various lamination processes involving other foams, films, textiles or cover stocks; adhesive coatings, flame lamination, die cutting, compression moulding, perforation and embossing a.o.. The combination of in-depth knowledge of foam production and conversion means that TROCELLEN® is well placed to work in partnership with its customers in translating concepts and ideas into performance pricebalanced solutions.



CLASSIC



TROCELLEN CLASSIC

TROCELLEN® classic, our core product line, consists of horizontally foamed XLPO material manufactured in rolls or sheets. Since 1972 these foams are regarded as an industry standard based on their proven application performance. Within this product line we produce two foam variations that differ in cross-linking technique:

Chemically crosslinked foams (C-foams) are characterized by their very abrasion resistant surface and excellent thermomouldability, which makes them suitable for very technical applications.

Physically crosslinked foams (P-foams). Due to the physical cross-linking process our p-foams show very specific properties, differing from c-foams especially in surface and cell structure, but also in other values like thermal properties, tensile strength, compression set, shrinkage or fogging values. TROCELLEN® classic rolls and sheets are typically offered in densities between 25kg/m³ and 250kg/m³. The thickness varied between 2mm and 18mm. We developed a wide range of foam modifications which can be characterized by certain specific properties, e.g.: Fire resistance, Temperature resistance, Softness, Hardness (Rigidity).

VERTICAL



TROCELLEN VERTICAL

These physically cross-linked polyolefin foams offer massive potential for a wide range of applications, where very thin foams with a smooth surface and a fine cell structure are required.

TROCELLEN® vertical is produced in thicknesses between 0,5 and 6 mm and in densities varying from 25 to 180kg/m³.

Crosslinking by irradiation and vertical foaming technology also permits the incorporation of polypropylene (PP) as a base resin for foam production. Foams manufactured from PP show a higher temperature resistance.

BLOC



TROCELLEN BLOC

Our product line TROCELLEN® bloc offers chemically cross-linked blockfoams manufactured by using a discontinuous foaming process. These foams can be produced in higher thicknesses and show a very smooth cell structure after removing the skin.

TROCELLEN® bloc is manufactured in densities of 25, 30, 45 and 100kg/m³. Low densities are originally produced in 100mm thickness, while our high density foam is produced in 40mm thickness. All products can be splitted to obtain thin layers, starting from 5 mm upwards.

Welcome to our World of Foam, we invite you to take a closer look ...

Headquarters
TROCELLEN GmbH Deutschland
 Mülheimer Straße 26
 53840 Troisdorf
 Germany
 Phone: ++49 (0) 2241 85 04
 Fax: ++49 (0) 2241 85 37 53

TROCELLEN Italia S.p.A.
 Via dei Dossi 7/9
 S.S. 525 del Brembo
 24040 Osio Sopra (BG)
 Italy
 Phone: ++39 035 50 70 11
 Fax: ++39 035 50 21 74

TROCELLEN S.E.A. Sdn Bhd Malaysia
 118, Jalan Semangat
 46300 Petaling Jaya
 Selangor Darul Ehsan
 Malaysia
 Phone: ++60 3 79 56 33 66
 Fax: ++60 3 79 55 37 77

Polifoam Plastic Processing Co. Ltd. Hungary
 Táblás u. 32
 1097 Budapest
 Hungary
 Phone: ++36 13 47 98 00
 Fax: ++36 12 80 67 08

TROCELLEN France S.a.r.l.
 2, Allée de la Fresnerie
 78330 Fontenay le Fleury
 France
 Phone: ++33 (0) 130 85 93 40
 Fax: ++33 (0) 130 85 93 44

TROCELLEN Romania S.r.l.
 Cisoda, Com. Giroc.
 DN 59 KM 8 + 550 Stanga
 1900 Timisoara
 Romania
 Phone: ++40 256 30 63 77
 Fax: ++40 256 30 63 76/78

TROCELLEN GmbH UK Office
 Central Chambers, 77 Westborough
 Scarborough, North Yorkshire
 YO11 1 TP
 United Kingdom
 Phone: ++44 (0) 1723 376 111
 Fax: ++44 (0) 1723 376 444

TROCELLEN Ibérica S.A.
 C/Avila, s/n
 28804 Alcalá de Henares
 Spain
 Phone: ++34 91 885 55 00
 Fax: ++34 91 885 55 01

TROCELLEN Rus
 141402 Moskovskaja oblast
 Himki-2, post box 186
 Russian Federation
 Phone: ++7 495 739 44 38
 Fax: ++7 495 739 44 21

Polifoam Plastic Polska Sp. z o.o.
 ul. Zgierska 40
 95070 Aleksandrów Łódzki
 Poland
 Phone: ++48 42 712 12 96
 Fax: ++48 42 712 12 89



... the foam company

World's leading supplier of crosslinked polyolefin foams



● Sales Office ● Foam Production ● Converting



AUTOMOTIVE.



... the foam company

THE FOAM COMPANY

TROCELLEN® is Europe's leading supplier of cross-linked foams. And since December 2005 the company has been heading for global success together with its Japanese shareholders, Furukawa Electric Co. Ltd. and Otsuka Chemical Co. Ltd.

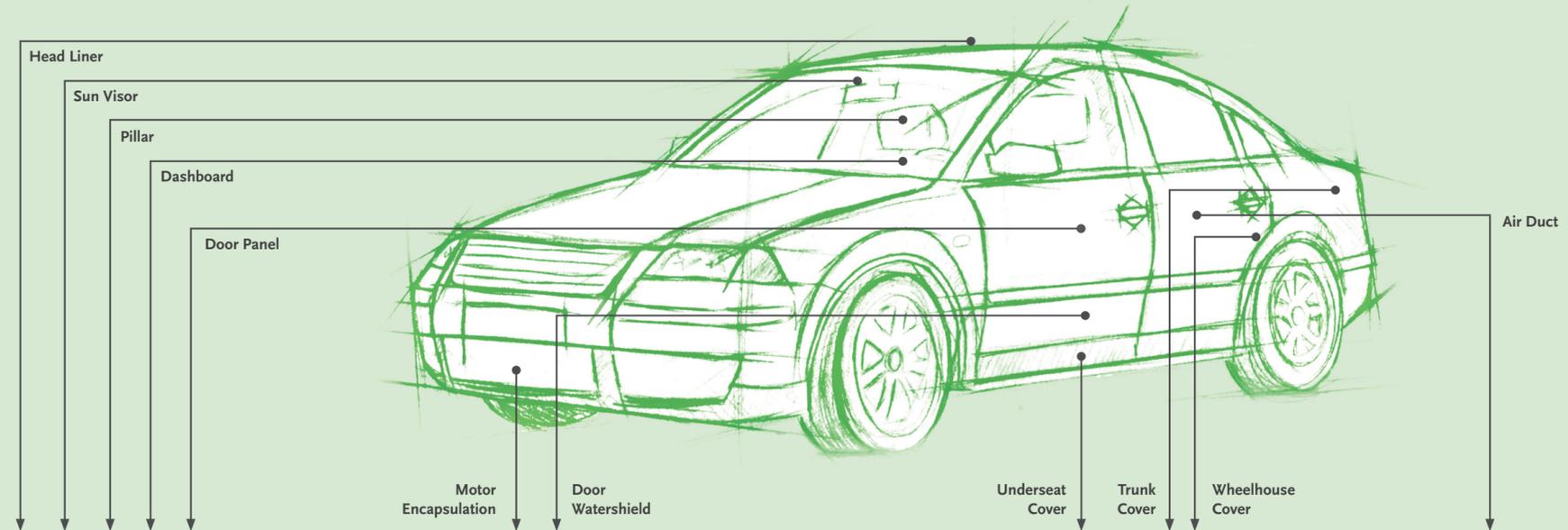
With more than 600 employees at ten sites we offer solutions for a wide variety of industries and applications. Via our Automotive, Construction, Insulation, Adhesive Tape, Sport & Shoe, and General Conversion & Packaging units, we meet industry-specific requirements, as well as providing inspiration with a continuous stream of new developments, so that our foams are always optimized to perform their predefined function, or put simply: foam in function.

That's what we commit to. Every day. Creative. Energetic.
Because we live foam.



... the foam company

TROCELLEN ... the foam company.



BUSINESS UNIT AUTOMOTIVE

The business unit automotive has a multidisciplinary team that is dedicated to servicing the technical needs of automotive customers and exploring innovating concepts. This business unit automotive integrates all services and expertise to meet the high level demand that the Automotive industry requires today.

The business unit automotive brings under one roof trained staff, equipment for special testing and facilities to carry out different converting trials such as thermomoulding or special laminations. This intensive R&D activities and application development allow TROCELLEN® in this environment to explore new concepts

and to find optimal and innovative solutions. Together with their customers, TROCELLEN® have been continuously focussing its R&D activities to meet the increasing demand for recyclable and light weight solutions, with immediate potential implementation in light weight airducts, Headliner construction or other sandwich structures which might be used in the future for interior trim.

The central laboratory within the TROCELLEN® Group the business unit automotive is constantly working on new products and formulations adapting foams to changing market requirements. TROCELLEN® has always considered the importance of maximizing recyclability, and providing guidance in designing for recycling in all future vehicles.

INTERIOR SOFT TRIM

The fastest growing segment for XLPO foams in the automotive and transportation sector involve soft trim applications. TROCELLEN® foam in combination with TPO, PVC, leather or textiles can be used in application areas such as dashboards, pillars, consoles, headliners, door panels, sun visors and other soft trim components.

Our Polyolefin foam laminates can easily be used in converting processes such as low pressure injection moulding, vacuum forming or compression moulding.

ACOUSTIC APPLICATIONS

While TROCELLEN® foams are closed-cell and technically reflective, they are frequently used in acoustic applications like

- Encapsulating covers for motors or mechanical devices
- Thermomouldable substrates for laminations, e.g. with PUR foams, fibres, non-wovens, aluminium, etc.
- Traditional „watershields“

The crosslinked foam component of engineered laminates provides the 3D shape, acting as a decoupler, as well as a moisture, dust and air infiltration barrier.

FUNCTIONAL AND DECORATIVE PARTS

Parts made from TROCELLEN® foams are light-weight and easy to install within a vehicle. TROCELLEN® foams can be used for all kinds of decorative parts within a car:

- Decorative covers for trunks or boot liners
- Soft Interior Components
- Underseat covers for front and rear seats
- HVAC components for thermal insulation

For these types of applications it is common to use pure TROCELLEN® foam or engineered combinations with other materials such as solid plastics, leather or other cover stocks.

AIR DUCT

TROCELLEN® pioneered and patented the „Twin Sheet Technology“ for Air Ducts and hollow chamber structures.

- Value delivered:
- Air-noise reduction
 - Thermal Insulation
 - Flexibility/Easy assembly
 - Light-Weight
 - Low cost tooling

Coordination of research & teaching
Market R&D / benchmarking / sales & marketing
Leader in innovation
Leader in creative thinking
Multidisciplinary expertise in all manufacturing processes



Multilingual access to information
Customer manager teams (key accounts)
Focal point for interchange of information / know-how
Project management, Technical support
Knowledge Management

Environment recycling
Development of tailor made solutions
Development & production of high quality materials

Add value to existing products
Supply solutions not just products
Partnership with university / research centers / R&D programs

