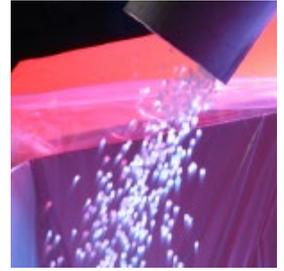
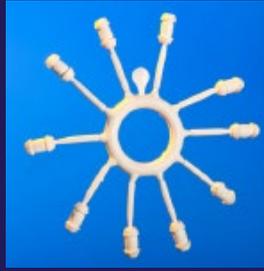


HEXPOL TPE

Specialist in **custom engineered
TPE & flexible polymer solutions**





A key global organisation for TPE and flexible polymer compounding

The HEXPOL TPE family is a leader in the development and manufacture of thermoplastic elastomers (TPE) and complimentary compounds.

With a strong heritage in the TPE market our companies include established names such as ELASTO and Müller Kunststoffe. We are known for progressive solutions, a high level of technical expertise and a spirit of ingenuity.

We operate advanced production capabilities at our sites in Germany, UK, Sweden and China and are part of HEXPOL's Compounding division.

HEXPOL is a leading polymer group listed on the OMX Nordic stock exchange.

They have operations across Europe, Asia-Pacific and NAFTA.

Our focus is the engineering of intelligent polymer compounds which precisely match application requirements. The technical department is at the heart of what we do. Our scientists, application engineers and processing technologists lead the way in polymer research and development.

We have a proven track record of delivering unique new products for a wide range of end markets. We are committed to finding new ways to help our customers across the globe.


ELASTO
A HEXPOL TPE COMPANY


A HEXPOL TPE COMPANY

Intelligent solutions you can **trust** from people with a passion

In a nutshell, that's what we offer our customers. We are an enthusiastic team of people with a talent for outside-the-box thinking, focused on delivering excellence.

Our speciality is tailored solutions delivered efficiently and quickly.

We have developed one of the most comprehensive portfolios of TPEs in the industry; with compounds based on TPS (SBS and SEBS), TPO, TPV & TPU. Including specialist TPEs engineered to address the specific demands of the medical, automotive, construction and caps and closures markets.

In response to customer demand, we have also developed a range of complimentary compounds including soft PVC, cork compounds, colour and additive masterbatch.

Our teams across the world are constantly developing new polymer combinations, helping create materials that are lighter, tougher, more durable, more sustainable, more varied. Our customers are the companies that make the everyday products around us. We help them do what they do better - and do things they simply couldn't do before.

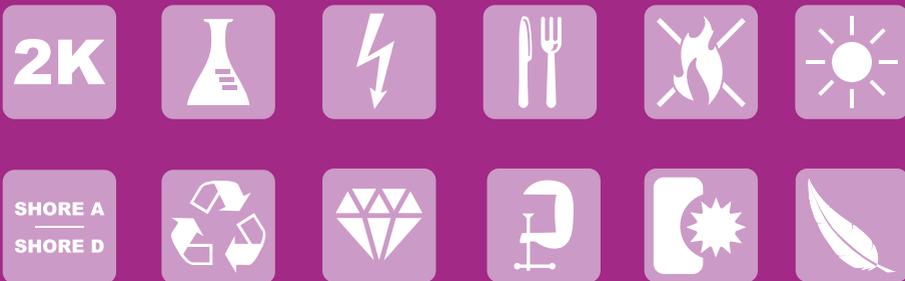
So whether high fluid and heat resistance is needed from a TPV compound in automotive sealing, a biocompatible medical grade TPS for intubation equipment or non-phthalate, DEHP free soft-PVC for toys; we can offer our customers the best solution for their application or indeed supply multiple compounds from different classes.



dryflex® & lifoflex®

Dryflex & Lifoflex are our core TPE families. They offer versatile material properties and include flame-retardant, adhesion, conductive, crystal clear, antimicrobial, food contact and hydrophilic compounds. Grades that are touchably soft, flexible yet durable, with excellent UV and weather resistance. They are easy to process, with grades optimised for injection moulding, extrusion, and multi-component processing.

Our material scientists have engineered countless formulations for a wide range of applications in the consumer, automotive, construction, electrical, packaging and leisure markets.



dryflex® v

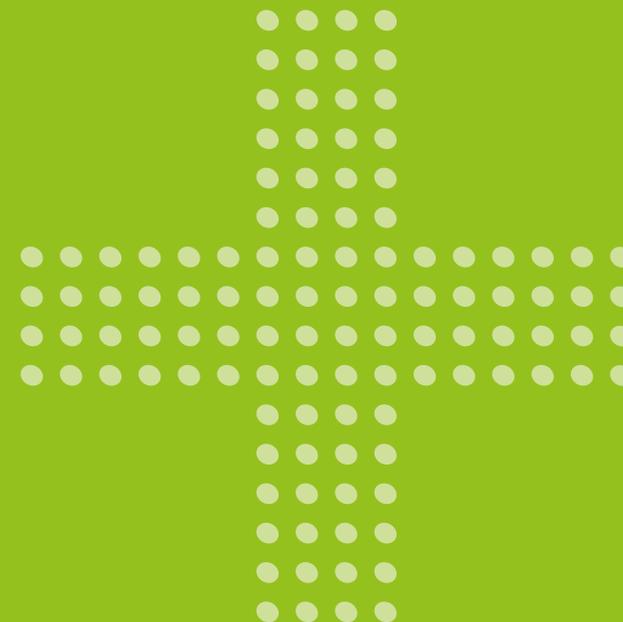
Dryflex V is a family of high-performance TPV compounds designed for demanding and dynamic applications. They offer superior weathering, low compression set, high service temperatures and resistance to aggressive fluids.

mediprene®

The Mediprene family of TPE compounds has been engineered to address the demands of the medical device and pharmaceutical industry.

Mediprene grades are sterilizable with gamma, EtO and steam and representative grades have passed cytotoxicity tests according to ISO 10993-5 and biocompatibility tests according to USP Class VI. Mediprene TPEs have proven to be a strong alternative as replacement to PVC; they are completely synthetic and latex free thereby minimising allergy risks.

Mediprene TPEs are used in a variety of medical device applications including intubation equipment, tubing, seals, drip chambers, soft-touch grips, face masks, resealable membranes and connectors.



EPSeal®



EPSeal thermoplastic elastomers are custom made liner sealing compounds for the food and beverage industry.

They are PVC free and conform to FDA and EU regulations.

A range of compounds have been developed with series dedicated to different types of closures including crown corks, aluminium closures, both roll on and roll on pilfer proof, plastic closures, both out shell and in shell liner moulding.

EPSeal compounds give excellent organoleptic results ensuring neutral taste properties, a key requirement for sensitive filling goods like mineral water.

Excellent sealing characteristics are combined with the optimal elasticity and softness necessary for each individual closure and packaging system, be that PET, glass, returnable or one way.

lifolit®

Our Lifolit family of customised, non phthalate, soft PVC compounds are available in 40 Sh A to 60 Sh D hardnesses.

soft
PVC

lifobatch®

We work with colour, special effect and functional additive masterbatches for soft polymers.



lifocork®

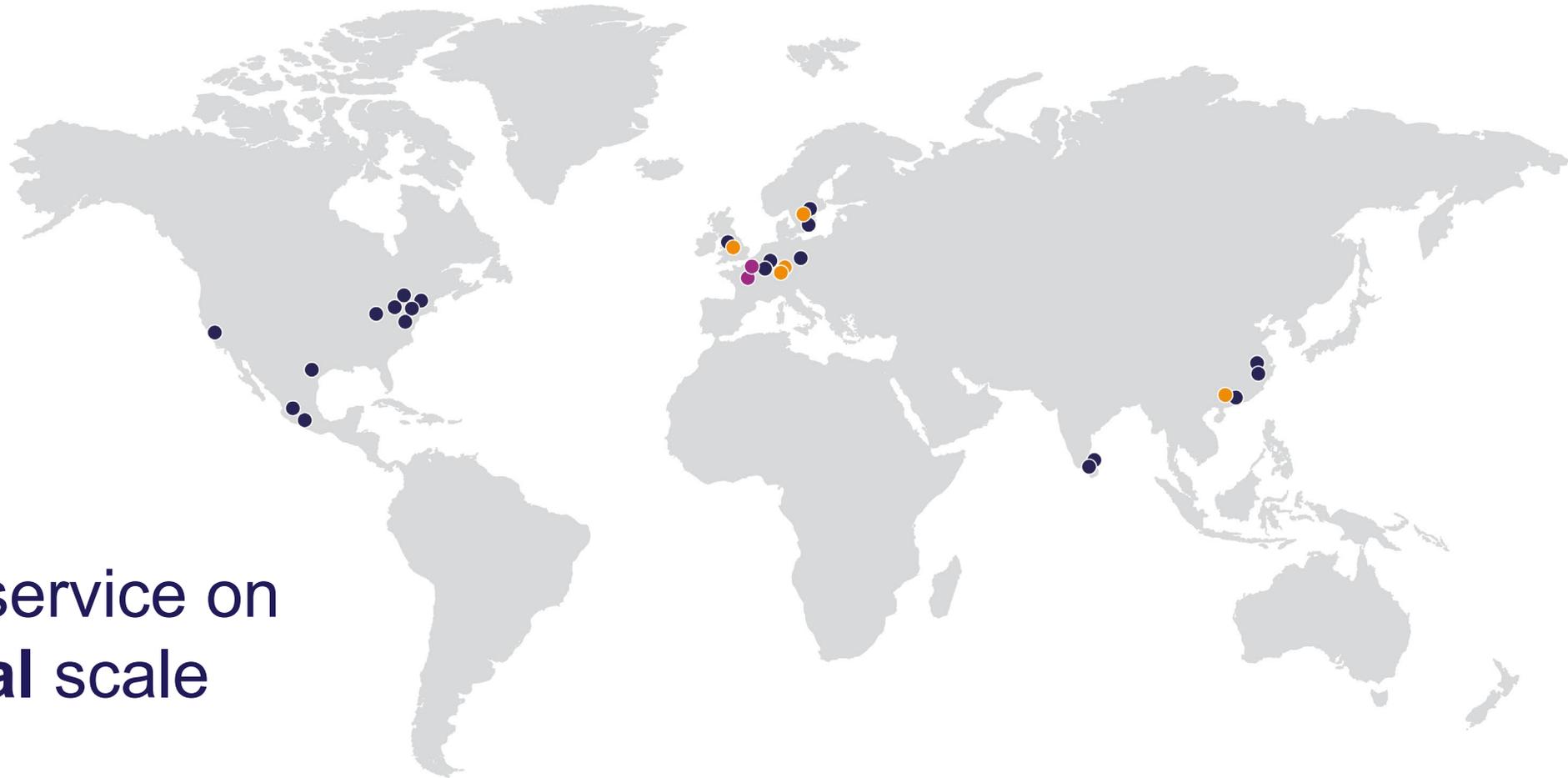
Lifocork compounds combine the sustainability, low weight and feel of natural cork with the processability of plastics.



lifoprene®

Lifoprene TPU compounds are used in footwear, industrial, technical and automotive industries.

TPU



Local service on a global scale

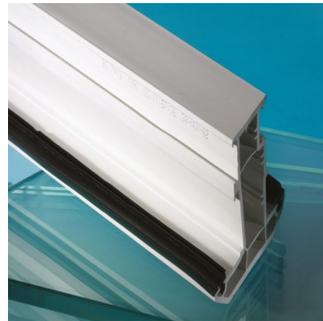
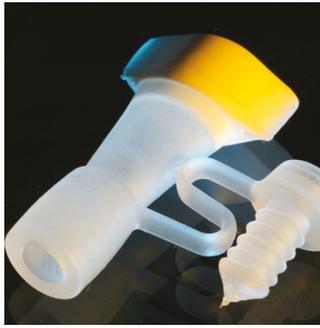
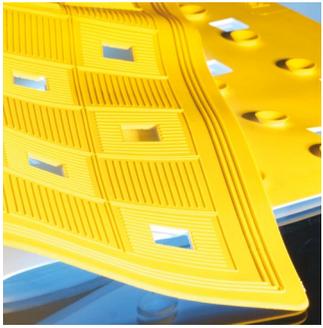
Our reputation has been built working in partnerships with companies across the globe to provide custom formulated, high-quality materials.

We serve international companies as a world partner. A partner that can add value and provide the experience, responsiveness, know-how and support to make a tangible contribution to their business.

Alongside our European and Asian production facilities, as part of the HEXPOL group of companies, we also have the benefit of their extensive footprint.

● HEXPOL TPE Production Sites
● HEXPOL TPE Sales Offices

● HEXPOL Group



Specialist knowledge in key markets

Our products are turned into everything from toothbrushes to automotive weatherseals, medical tubing to screwdriver handles, toys to seals for beverage caps, IV systems to baby drinking cups...with new applications being introduced every day.

It's the power of our relationships, our commitment, and our creativity that makes us special. Our close partnerships with converters, designers, tool-makers and OEMs means we understand the challenges you are facing and put your success at the heart of everything we do. Afterall, we know that our success depends on your success.

We have a trusted track-record in the engineering of novel, practical and commercially competitive products. A spirit of ingenuity supported by a solid R&D organisation and proven successful innovation process.

We have a number of specialist teams dedicated to our customers in the medical, automotive, caps and closures, construction and consumer markets.

In these markets industry specific regulatory requirements can influence product development, we have established an in-depth understanding of these requirements so as to develop bespoke solutions that quickly and accurately address these demands.

Our technologists are highly mobile; delivering solutions in the field and ensuring our customers have access to the knowledge and support they need, when and where they need it.

High-quality, flexible production operations

With state-of-the-art compounding and product development facilities, we place a strong emphasis on operational excellence and optimisation. We invest in high-quality compounding technology and supporting sub-systems.

With twin-screw extruders, automated controls, gravimetric feeders and clean technology, we operate extremely versatile processes which have allowed us to develop our comprehensive product offering.

Our customers have access to the full range of products and knowledge our family has to offer. We also operate a number of centres of excellence, where we have invested in technology, our teams and systems for a particular product area or market; such as medical, caps and closures or TPV.

This means our customers get the best of both: specialist knowledge in a wide range of polymer solutions, with local support on a global scale.

The compounding of materials is carried out in accordance with internationally recognised quality management standards such as ISO 9001, ISO 14001 and ISO 13485.

Continuous testing of properties ensures that customers receive quality products with consistently predictable processing characteristics.



Challenge us...

We know that words are the easy part, its living up to them that's important. If you would like to know more about our products, their properties and applications or if you want to put our creativity and experience to work solving a problem for you, please get in touch.

As it's impossible to say everything about our products here, we also have a comprehensive library of product, processing and application information available to download from **www.hexpolTPE.com**

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