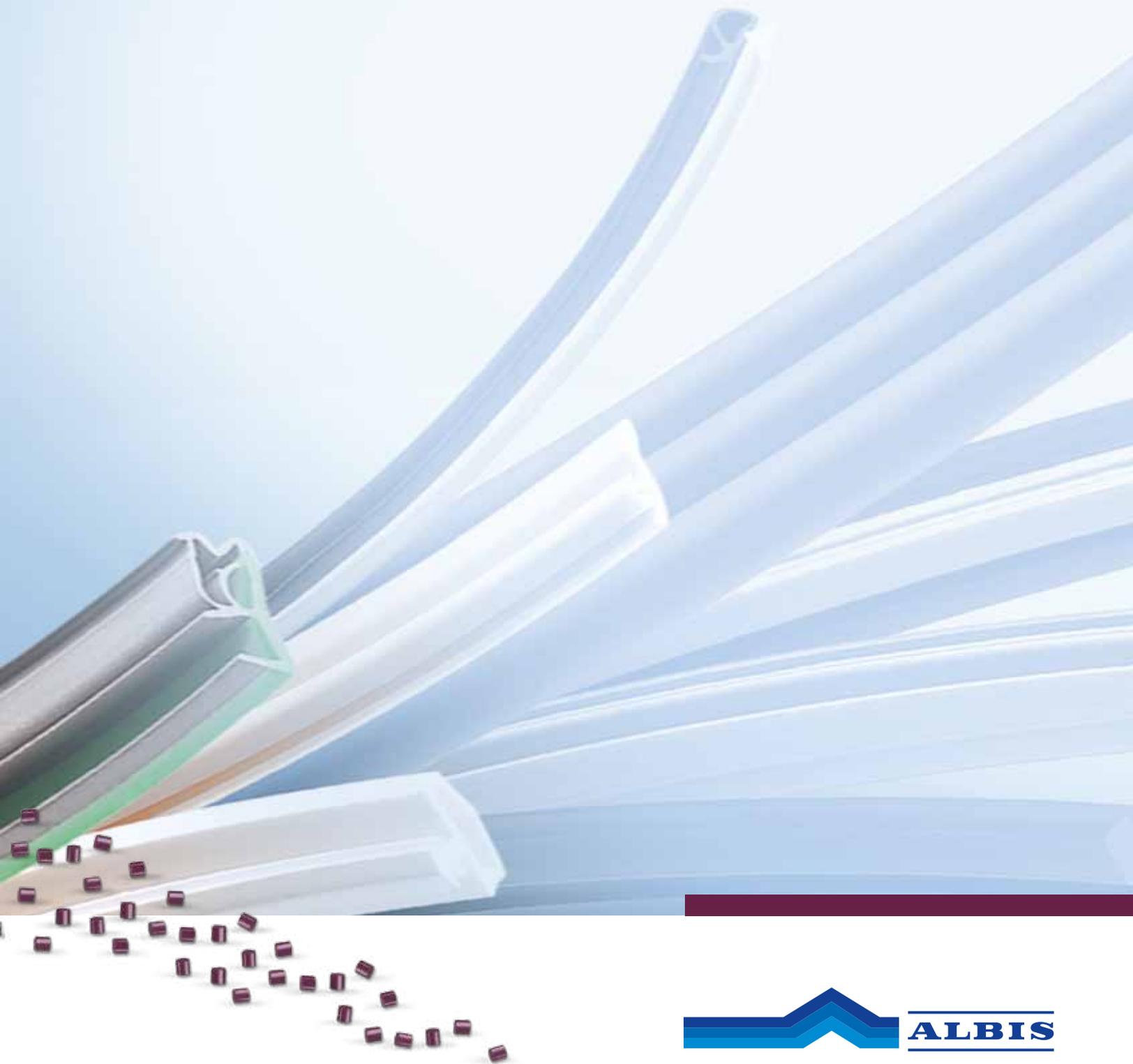


THERMOPLASTIC ELASTOMERS

TPV · TPU · TPS · SPECIALS



PERSPECTIVES ON PLASTICS

ALBIS. Helping you succeed.

Thermoplastics from ALBIS

ALBIS represents the complete portfolio of thermoplastic materials in the market today as a competent partner of the plastics processing industry and as a leading compounder of technical plastics. ALBIS offers a perfect range of products that meet every need: from a wide portfolio of brands we distribute for renowned manufacturers of special engineering and technical thermoplastics.

All-around competency

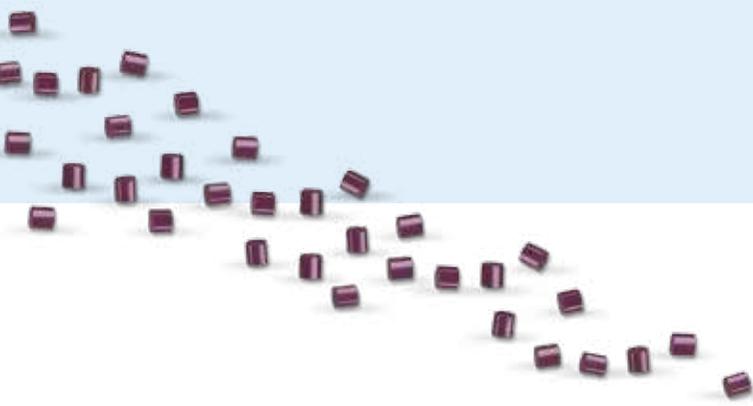
As thermoplastics experts, ALBIS does not merely distribute these versatile materials – we also boast a wealth of know-how in their treatment and processing. ALBIS customers reap the benefits of our longstanding experience in plastics processing, colouring, and application technology and product development. We also provide product neutral consulting, which is why ALBIS is your one-stop address for all your plastic processing needs.

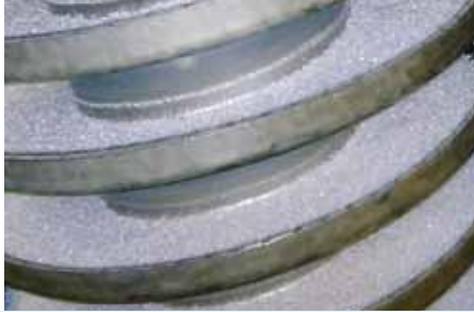
Thermoplastic elastomers are here to stay

Thermoplastic elastomers clearly own the future. New applications for these versatile soft materials are being discovered all the time. Thanks to ALBIS' market segment leadership, our customers frequently find themselves ahead of the competition when they opt for one of our elastomers:

ALFATER XL[®],
EVOPRENE[®],
SOLPLAST[®] and
DESMOPAN[®]

represent ALBIS' carefully selected and systematically expanded TPE portfolio.





“Two component solution for automotive applications”

TPE offers unlimited possibilities

In the past years, thermoplastic elastomers have made great strides in the plastics industry. TPEs have proven to be ideal solutions for a range of applications. Among their most prominent uses are gaskets, dampers, flexible connectors – and especially where tools are concerned – optimum grip characteristics.

Thanks to the extremely short processing times required for TPEs, they are very efficient and allow manufacturers to speed up numerous manufacturing processes. Thanks to ALBIS’ intensive research and development, we are adding new applications almost every day.

ALBIS – the competence in TPE

ALBIS’ increased commitment to the TPE segment consequently aims at the company’s customer-driven All-in-one Philosophy by successfully consolidating competencies in soft and hard plastics. With its expansive TPE portfolio, ALBIS covers more than 80 percent of the product spectrum. Following the successful solutions in thermoplastics, ALBIS compliments its soft product portfolio with complex application technological consulting by plastics processing specialists. Especially in the multi-component processing sector, one of the primary industries utilizing TPEs, product and processing know-how make or break a successful product for our customers. Contact one of our TPE-specialists – no one offers you more service!

ALBIS TPE-Portfolio

In keeping with the All-in-one Philosophy, ALBIS covers almost the entire range of thermoplastic elastomers available today:

- TPV



- TPU



- TPS



- TPS



- TPE Specials
by ALBIS

® = registered trademarks



TPV



ALFATER XL® is the cross-linked TPV-(PP+EPDM) from ALBIS. ALFATER XL® is extremely versatile. Primary applications include technical products, especially in

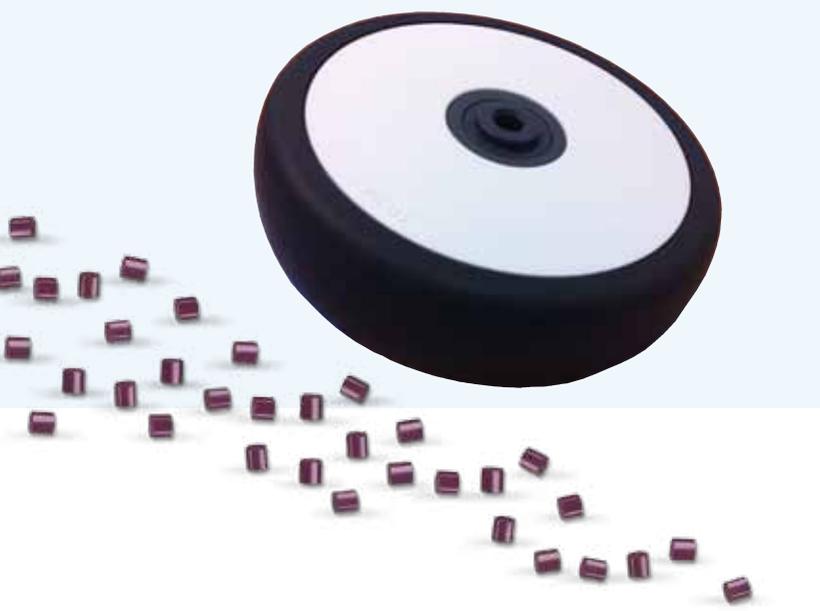
the automotive industry. ALFATER XL® is available in different grades ranging from Shore A35 to D50.

Benefits

- ALFATER XL® has a high degree of flexibility and good mechanical properties over a wide temperature range (depending upon strain: -40 to +125°C, short time up to 150°C)
- ALFATER XL® has excellent resistance to ozone and weathering
- ALFATER XL® is distinguished by good resistance to aqueous solutions and alkaline substances
- ALFATER XL® has a low specific weight, allowing for especially attractive volume pricing
- ALFATER XL® demonstrates good resistance to oils, grease, solvents and acids

Applications

- **Automotive industry:**
Gaskets, soft bumpers, cable sleeves, mirror seals, throughlets, bellows, cable grommets, gearlever knobs
- **Household appliances:**
Cables, gaskets, wheels, stands, grips, handles
- **Electrical industry:**
Gaskets, wires, cable sleeves
- **Construction industry:**
Sealing profiles
- **Sports and leisure:**
Flippers, grips, frisbees, decorative items



TPU



DESMOPAN® is a thermoplastic polyurethane (TPU). We offer a wide range featuring all of the major

characteristics of this material. DESMOPAN® is available in different grades ranging from Shore A60 to D75.

Benefits

- Excellent wear- and tear resistance in the toughest applications makes DESMOPAN® so versatile.
- Highly transparent versions of DESMOPAN® are also available.
- If required, we can supply DESMOPAN® with increased hydrolysis resistance.
- Special versions of DESMOPAN® are available – among them microbe repellent materials.

Applications

- **Furniture manufacturers and their suppliers:**
Castors, arm rests for chairs, transparent buffers for glass cabinets
- **Special applications:**
Cable sleeves, wear- and tear resistant timing belts, animal identification tags, watch bands
- **Industrial:**
Tubes and hoses, handle grips for power tools, cable grommets
- **Automotive:**
2K moulded interior parts with “dry touch”, Anti-slip mats



TPS

AlphaGary

UTEKSOL

EVOPRENE®

SolPlast

THERMOPLASTIC ELASTOMERS

EVOPRENE and SOLPLAST are styrenic TPEs (TPS) based on SEBS, SEEPS, or SBS block copolymers. For both brands, we offer a wide range of different quality levels, thus

enabling our customers to select the most suitable compound for their specific requirements. TPS is available from Shore A5 to D60.

Benefits

- TPS is easy to colour and allows bright colours as well as transparent hues
- TPS can be 2K moulded or coextruded with both polar and non-polar engineering thermoplastics like PA, ABS, PC, ...
- TPS has excellent heat resistance (service temperatures of up to 140°C)
- TPS is available in various grades for medical (USP class VI) and food contact applications (FDA)
- TPS features excellent fogging and low-odour properties

Applications

- **Food Contact:**
 - Gaskets for vacuum flasks
 - Bottle stoppers
 - Gaskets for food containers
- **Construction industry:**
 - Gaskets for windows and doors
 - Joint water stops
 - Stoppers for aluminium window profiles
 - Anti-dust protection profiles for sliding doors
- **Technical applications:**
 - 2K moulded handle grips for power tools
 - Hoses and connectors for washing machines
 - Soft-touch automotive interior parts



Specials

TPE Specials



TPE Specials by ALBIS

Use the ALBIS TPE competency also when you need tailor-made compounds with specific characteristics. Thanks to our intensive collaboration with end users, system suppliers, R + D departments and injection moulding specialists, we are continuously adding new TPE specials to our ALCOM® product portfolio. One example are TPE compounds which deliver reduced abrasion or electrical conduction for applications such as abrasion resistant gear wheels, guide rolls, conductive furniture and transport roll conveyors.

Colouring starts with ALBIS

More than 40 years of experience in colouring plastics obviously help when it comes to delivering custom coloured applications. In keeping with our All-in-one Philosophy, ALBIS also offers customers the option to colour their materials themselves, utilizing ALCOLOR® – the ColorBatch from ALBIS.

ALBIS – Always at your Side

The team members in our application technology division at your local ALBIS sales office or at our headoffice in Hamburg are always happy to assist you, if you have questions about product processing, product technology processes or optimized production. We also provide on-site service!



ALBIS

PERSPECTIVES ON PLASTICS

PRODUCTION SITES

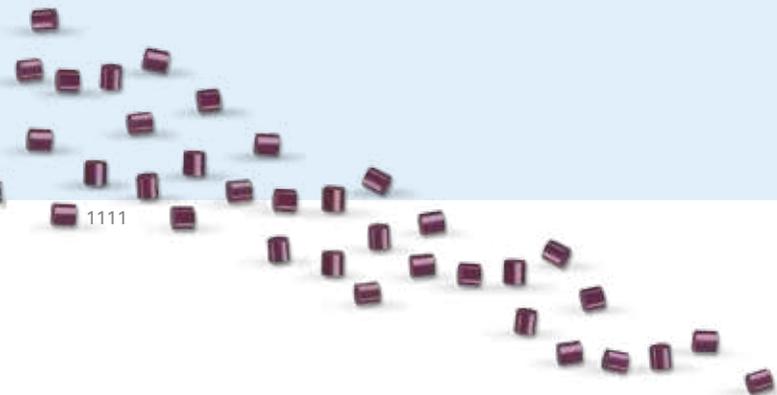
D-Hamburg
D-Zülpich
GB-Knutsford

ALBIS WORLDWIDE

Austria · Czech Republic · France · Germany · Great Britain
Hong Kong · Hungary · Netherlands · Poland · PR China
Romania · Russia · Spain · Sweden · Switzerland · Turkey
USA

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PERSPECTIVES ON PLASTICS