



MOCOM

Automotive Flexible Material Solutions

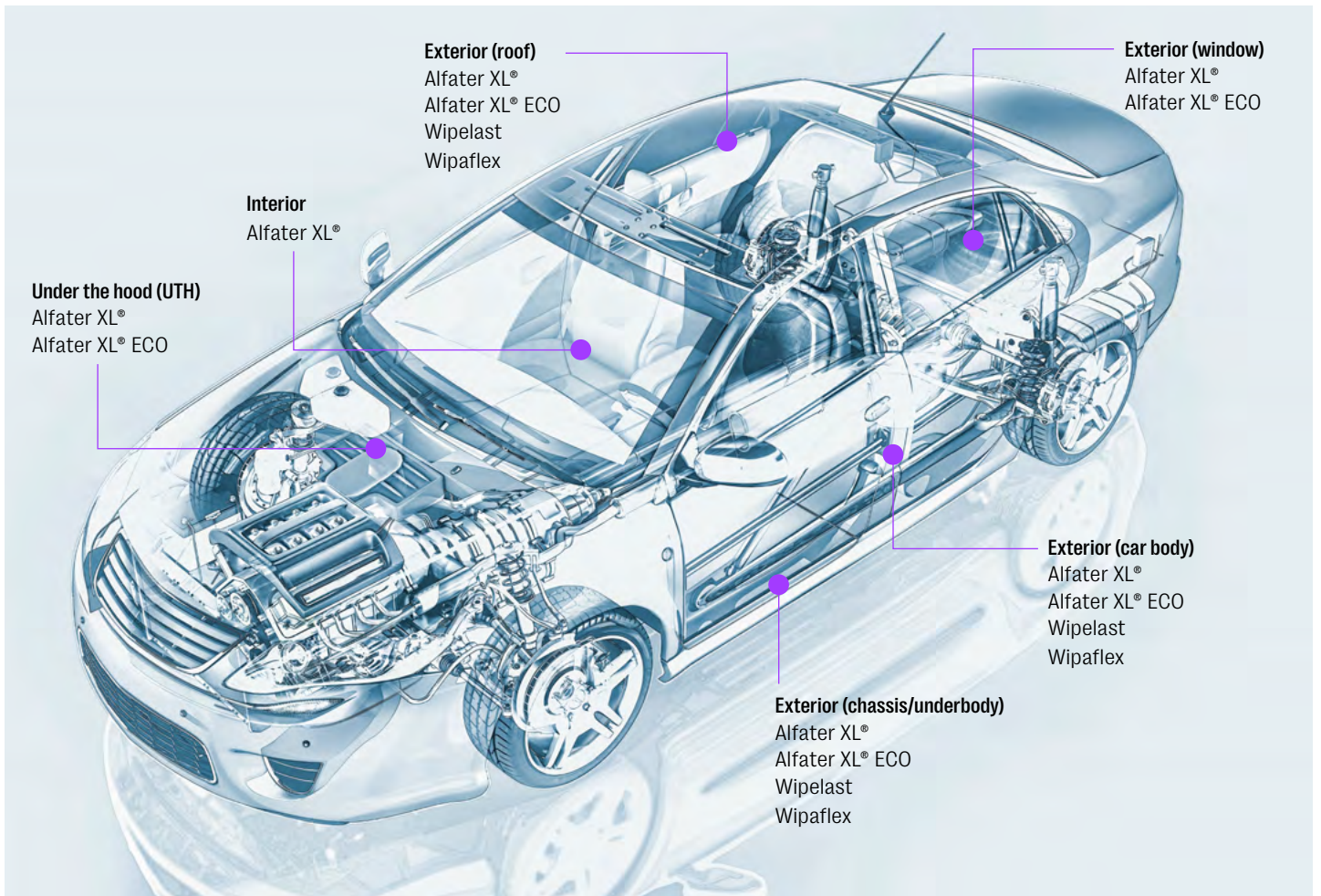
The automotive industry is undergoing profound transformation, which results in numerous challenges such as accelerated innovation, cost efficiency, new applications, materials and technologies.

Flexible material solutions play an important role in overcoming current and future challenges. Thermoplastic elastomers (TPE) are a versatile group of materials for automotive applications due to their multiple advantages, such as a high degree of innovation and design freedom, efficient production techniques or substantial contributions to the development of sustainable mobility (e.g., recyclability).

MOCOM offers the automotive industry a wide range of thermoplastic vulcanizates (TPV) and olefin elastomers (TPO) as flexible material solutions for the technical challenges of today and tomorrow.

MOCOM: Your solution provider

- **Thermoplastic elastomers** (TPV & TPO) for flexible, technical automotive applications
- **Sustainable material solutions** available (Alfater XL® ECO, Wipelast and Wipaflex)
- **Customization** through tailor-made, market-oriented product developments
- **Lightweight potentials** due to low densities
- **OEM approvals** available and **OEM approval testing** possible
- **OEM colors** possible (depending on material)
- **Excellent recyclability** (in-process and end-of-life recycling)
- **2K solutions** possible in combination with polyolefins, TPO, TPV and PA



Exterior (application examples)



2K head lamp frame gasket



2K wire harness grommet



2K hood to cowl seal



Wheel arch liners



Spoiler



2K wiper blade spoiler



Under body panel



Trim parts and rocker panels



Corner molds and end caps on EPDM sealing (side window)

Under the hood (application examples)



Bellow



Air intake system (air duct)



Cooling hose



2K housing gasket



2K damping elements

Interior (application examples)



Insert mats (side compartment)



Insert mats (center compartment)



Control button (soft-touch)

Area	Processing	Material	Characteristics	Typical applications (examples)	
Exterior	Extrusion, Blow molding	Alfater XL® E 2GP	TPV	High viscosity, high melt stability	<ul style="list-style-type: none"> - Bellows and protective tubes - Trim parts and gap fillers - Wiper blade spoilers - Sealings and gaskets
		Alfater XL® ECO	TPV	"ECO" feedstocks (e.g., recycled PP), reduced GWP*, properties comparable to Alfater XL® I 2GP	
	Injection molding	Alfater XL® I 2GP	TPV	Standard grades, best mechanical properties and compression set	<ul style="list-style-type: none"> - Sealings and gaskets - Grommets, bushings and plugs - Anti-vibration and damping elements - Spoilers and shutters - Edge trims and decorative strips - Running boards
		Alfater XL® I 3EF	TPV	High flow, thin-walled and complex parts, long flow paths, improved surface quality (visible parts)	
		Alfater XL® ECO	TPV	"ECO" feedstocks (e.g., recycled PP), reduced GWP*, properties comparable to Alfater XL® I 2GP	
		Alfater XL® I 4PA	TPV	Adhesion to PA, high flow	- 2K solutions with PA
		Alfater XL® I 4GP	TPV	Bright inherent color, easy coloration, OEM colors, low emission and low fogging, odor-optimized, high flow, thin-walled and complex parts, grades for adhesion to EPDM	<ul style="list-style-type: none"> - End caps and corner molds - Glass encapsulation - Grommets and bushings in interface between exterior and interior
		Wipelast	TPO	"ECO" feedstocks, reduced GWP*, suitable for visible parts, high toughness	<ul style="list-style-type: none"> - Trim parts and shutters - Bumper extensions and spoilers - Side and underbody panels - Rocker panels - Housings and covers
	Wipaflex	TPO	"ECO" feedstocks, reduced GWP*, cost-optimized solution, non-visible parts	- Wheel arch liners	
	Under the hood (UTH)	Extrusion, Blow molding	Alfater XL® E 2GP	TPV	High viscosity, high melt stability
Alfater XL® ECO			TPV	"ECO" feedstocks (e.g., recycled PP), reduced GWP*, properties comparable to Alfater XL® I 2GP	
Injection molding		Alfater XL® I 2GP	TPV	Standard grades, best mechanical properties and compression set	<ul style="list-style-type: none"> - Sealings and gaskets - Grommets and bushings - Anti-vibration and damping elements - Plugs
		Alfater XL® I 3EF	TPV	High flow, thin-walled and complex parts, long flow paths, improved surface quality (visible parts)	
		Alfater XL® ECO	TPV	"ECO" feedstocks (e.g., recycled PP), reduced GWP*, properties comparable to Alfater XL® I 2GP	
		Alfater XL® I 4PA	TPV	Adhesion to PA, high flow	
Interior	Injection molding	Alfater XL® I 4GP		Bright inherent color, easy coloration, OEM colors, low emission and low fogging, odor-optimized, high flow, thin-walled and complex parts	<ul style="list-style-type: none"> - Mats and inserts - Handles, knobs and buttons - Soft-touch parts - Gaskets and grommets

*GWP = Global Warming Potential

MOCOM Compounds GmbH & Co. KG

Mühlenhagen 35 | 20539 Hamburg

T +49 40 999 960-399 | sales@mocom.eu

T +49 40 999 960-398 | technical@mocom.eu

mocom.eu

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended. The buyer is solely responsible for confirming the suitability of the product for a particular application, its utilization and processing and must observe any applicable laws and government regulations. NO EXPRESS OR IMPLIED RECOMMENDATION OR WARRANTY IS GIVEN WITH REGARD TO THE SUITABILITY OF THE PRODUCT FOR A PARTICULAR APPLICATION, SUCH AS, BUT NOT LIMITED TO, SAFETY-CRITICAL COMPONENTS OR SYSTEMS.