

ENGI- NEERING LIFE

Automotive





ENGI- NEERING LIFE

Science has made us understand the world.
However, engineering has changed the world by
taking knowledge and putting it into practice.
It was engineers who wrote history and integrated
knowledge into life.

Elastron, a global industrial company, is a daily life
engineer with solutions that touch and improve many
aspects of life. Although it produces high-tech
thermoplastic elastomers for industrial companies,
its expertise continuously improves life through
different products and services.

Elastron is not just a
competent manufacturer.
Elastron produces to
enhance everyday life.

Everyday Life Engineering Partner of Global TPE Users

Elastron is the developer of products that touch human
life and make everyday life easier by using thermoplastic
elastomers. Elastron is the world's TPE specialist.
It always aims to improve life.



GLOBAL

Elastron has a global service
network that can serve more
than 55 countries.



SOLUTION PARTNERSHIP

Elastron has a business-service
partnership philosophy beyond
product supply.



PROACTIVE

Elastron goes beyond the
customer's current needs by
combining its worldwide
product, service and knowledge
with its agile structure.

About TPE

TPEs are rubberlike materials that can be processed on any plastic machinery. They enable higher savings on processing costs compared to vulcanized rubbers, consequently increasing company's profits. Although they have functional characteristics similar to vulcanized rubbers, the production and investment costs are lower.

TPEs offer low density, wide hardness range, weathering and temperature resistance, recyclability, good compression set and easy coloring.



Temperature Resistance



Weathering Resistance



Recyclability



Wide Hardness Range



Easy Coloring

Developer of Products That Touch Human Life



Elastron's main production facility in Gebze, Turkey, is at the intersection of the East and the West. It offers logistical advantages with land, sea, and air routes.

Elastron second production facility is in Gainesville, Georgia, USA and serves the North American market with warehouses in the East and the West Coasts of the United States.

Elastron has offices in China, Taiwan, and Japan for the Asia Pacific market. It also uses a Germany office to provide solutions to the European market.

Elastron's Quality Approach

Elastron devotes significant resources to technical developments of new products and applications to meet market demands and customer needs.

A core value of Elastron is superior customer service, and significant resources are devoted to ensure maximum customer satisfaction.

Elastron has obtained all the key quality management systems. The Quality Management System (ISO 9001:2015) ensures that Elastron supplies all the products with consistent quality that meet customer requirements.

Elastron is also accredited by the Automotive Quality System (IATF 16949:2016) ensuring high quality production and supply to the automotive market.

Occupational health and safety practices of Elastron are certified with ISO 45001:2018.

The latest achievement is the certification of Elastron according to ISO 14001:2015 Environmental Management System, which demonstrates our strong commitment to the environment.

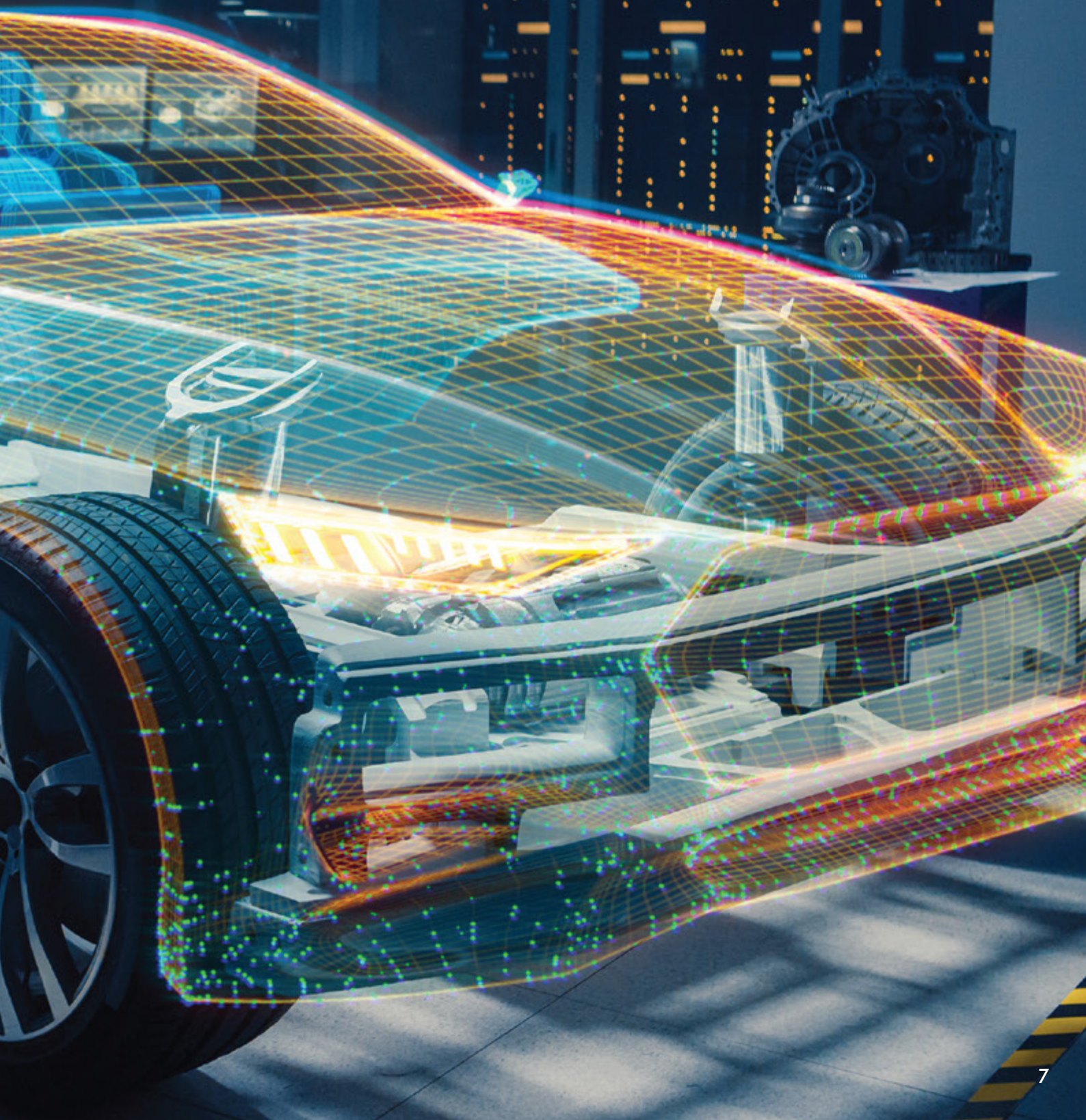
Recently Elastron has expanded its global reach with special focus on North America and China. Today Elastron is serving over 55 countries with high quality products that meet customer needs.

Elastron R&D develops customer-oriented solutions in addition to its high-quality general product line.

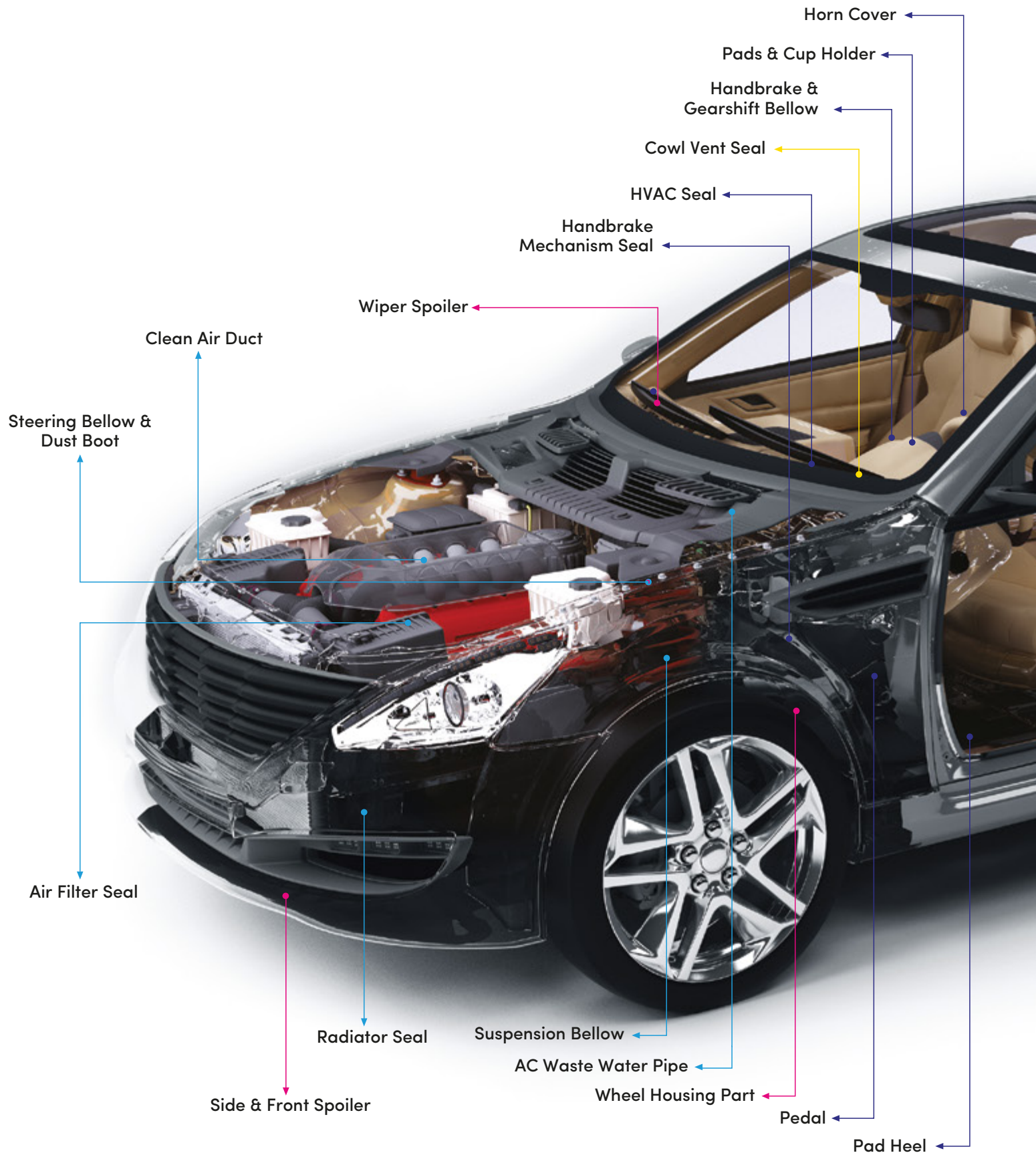




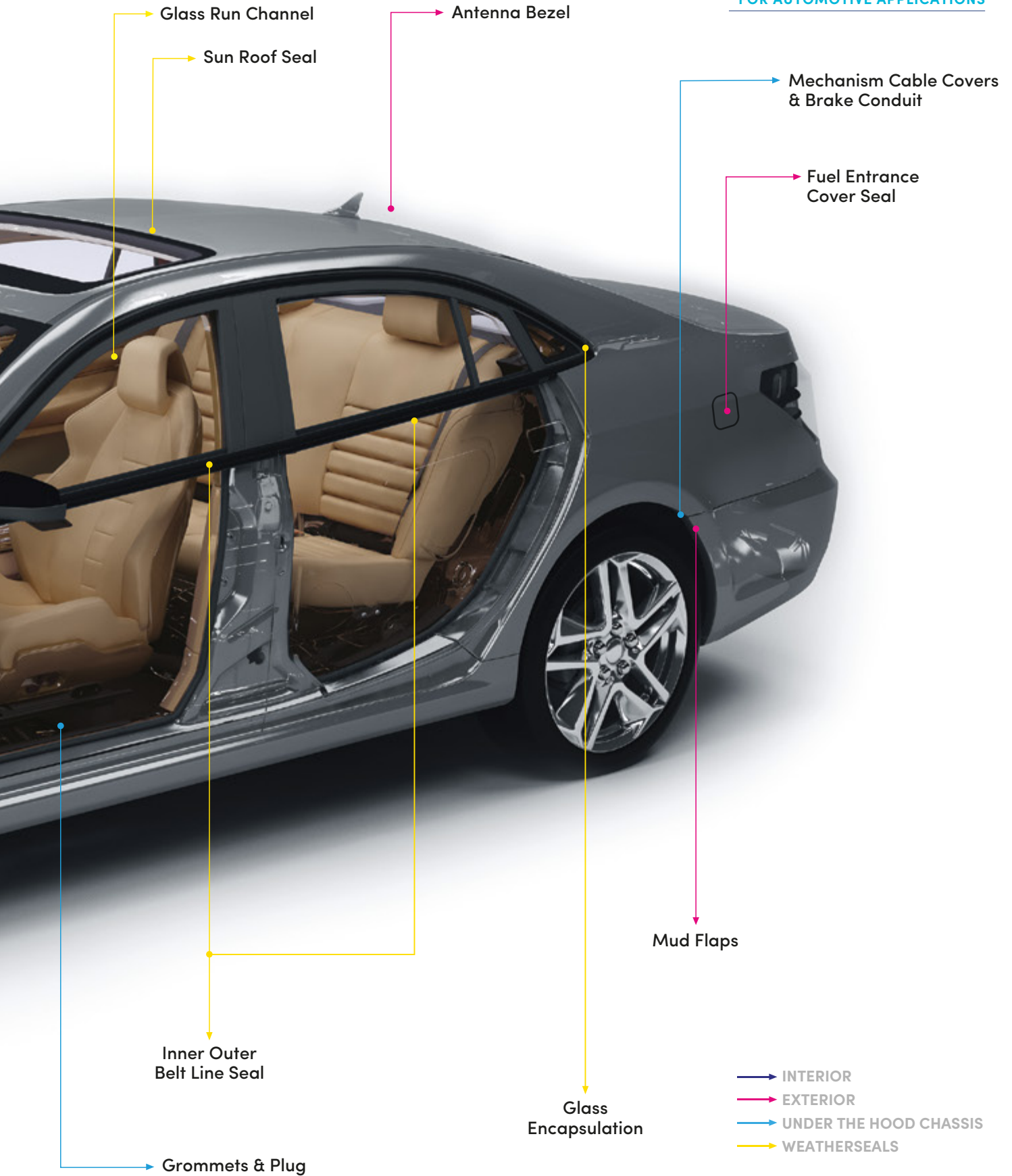
Elastron provides high quality and customized products that are specifically developed for the automotive industry by collaborating with OEMs and part manufacturers.



AUTOMOTIVE



ELASTRON V
ELASTRON G
ELASTRON TPO
FOR AUTOMOTIVE APPLICATIONS



INTERIOR

Key Benefits of **Elastron V**, **Elastron G** and **Elastron TPO** for **Automotive Interior Applications**

- UV Resistance
- Colorable
- Soft touch, antislip
- Scratch and abrasion resistance
- Low emission
- Low weight
- Low odour behavior
- Easy process and good flow property
- Recyclable

Glowbox Cover & Housing

Glowbox covers made with colourable Elastron TPOs meet the low emission standards required for interior parts. Elastron TPOs also provide good impact long term UV and abrasion resistance.



Gearshift & Handbrake Bellow

Gearshift and Handbrake Bellows made with Elastron V and Elastron G offer long time UV durability, as well as good flow and surface properties.



Pad & Cup Holder

Pads and cup holders made with Elastron G and Elastron V provide light weight, perfect appearance and meet the low emission requirements for automotive interior applications.

Pad Heel

Pad heels made with Elastron TPOs are bondable to polyester mat with special hot melt and provide antislip effect for driver comfort.





Handbrake Mechanism Seal

Various gaskets made with Elastron V and Elastron G based products offer improved insulation and high surface quality which meets low emission standards.

GEARSHIFT & HANDBRAKE BELLOW

HVAC DOOR SEAL

HANDBRAKE MECHANISM SEAL

GLOWBOX COVER & HOUSING

MAT

HORN COVER

PAD & CUP HOLDER

PAD HEEL

PEDAL



HVAC Seal

Elastron V grades provide long term dimensional stability and sealing advantage in flapper door seals. They meet the low emission standards.



Horn Cover

Elastron TPO and Elastron G (SEBS based) products offer high scratch and abrasion resistance. Elastron products are bondable to ABS and PP with 2K molding reduce cycle time and cost.



Pedal

Pedals made with Elastron V provide long term abrasion resistance and meet low emission standards required for interior parts.



Mat

Mats made with Elastron G compounds provide fast production lower weight as well as long term abrasion and UV resistance when compared to Rubber.

EXTERIOR

Key Benefits of **Elastron V**, **Elastron G** and **Elastron TPO** for **Automotive Exterior Applications**

- Long term UV and ozone resistance
- Colorable
- Tear and abrasion resistance
- Impact resistance at low and high temperatures
- Low weight
- Flexible at low temperatures
- Easy processing and good flow property
- Bondability to various plastics [PP, ABS, PA, PC, PE]
- Low labor cost
- Recyclable



Antenna Bezel

Antenna bezels made from Elastron V prevent transmitting vibrations to metal surfaces and have long term dimensional and UV stability.

Wiper Spoiler

Long term UV resistance, scratch resistance and non staining properties make Elastron V the best choice for Wiper Spoiler application.



Side & Front Spoiler

Spoilers made with Elastron V and G are flexible and have resistance to impact at low and high temperatures.



ANTENNA BEZEL
FUEL ENTRANCE COVER SEAL
MUD FLAP
WHEEL HOUSING PART
WIPER SPOILER
SIDE & FRONT SPOILER



Fuel Entrance Cover Seal

Elastron V grades are used at fuel entrance cover with the advantages of splash resistance to gasoline and long term sealing performance.



Mud Flap

Mud flaps made with Elastron TPO and Elastron G remain flexible at low temperatures and have excellent UV stability.



Wheel Housing Part

Injection molded Elastron V and Elastron TPO remain flexible at low temperatures and dampen the noise and vibration.



UNDER THE HOOD & CHASSIS

Key Benefits of **Elastron V**, **Elastron G** and **Elastron TPO** for **Automotive Under the Hood & Chasis Applications**

- Long term durability
- Eliminates the clamp need with system component welding
- Excellent fluid resistance
- Reduced leakage risk
- Low weight
- Fast production, reduced labor cost
- Process advantages
- Vibration dampening
- Elasticity
- Recyclable



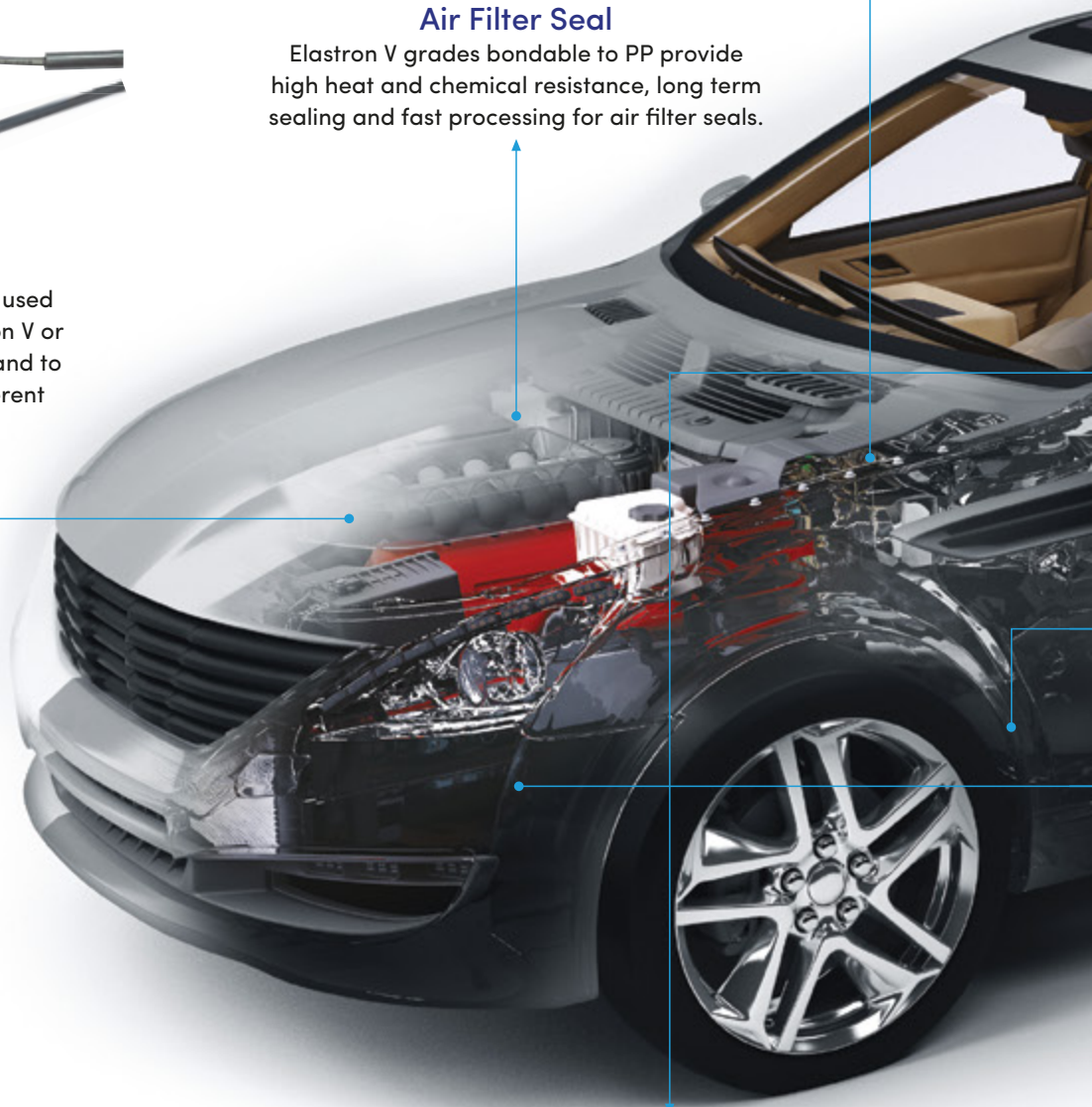
Air Filter Seal

Elastron V grades bondable to PP provide high heat and chemical resistance, long term sealing and fast processing for air filter seals.



Clean Air Duct

3D Blow Molding technology is used to bring together PP and Elastron V or Elastron TPO to reduce weight and to provide design option for different part geometry.



Mechanism Cable Cover & Brake Conduit

Mechanism Cable Cover and Brake Conduit made from Elastron V and Elastron TPO provides impact resistance, flexibility, corrosion resistance and superior dampening properties for cable cover application.



AIR FILTER SEAL
AC WASTE WATER PIPE
CLEAN AIR DUCT
STEERING BELLOW & DUST BOOT
RADIATOR SEAL
MECHANISM CABLE COVER &
BRAKE CONDUIT
GROMMET & PLUG
SUSPENSION BELLOW

AC Waste Water Pipe

Elastron V bondable to PP prevents leakage and reduce the labor cost with 2K injection molding process in tubing applications.



Suspension Bellow

Suspension Bellows can be produced with Extrusion Blow Molding. Bellow produced with Elastron V reduces cycle time and labor cost.



Radiator Seal

Elastron V coextruded with PP dampens the noise around the radiator and provides long term heat and chemical resistance.



Steering Bellows & Dust Boot

Bellows made with Elastron V provides reduced cost, design flexibility with the recommended processing option of Injection Blow Molding. Extrusion Blow Molding continuous vacuum corrugation and Press Injection.



Grommet & Plug

Various plugs, bumpers and grommets can be produced with Elastron V and Elastron G. Elastron products provides long term ageing and heat resistivity.



WEATHERSEALS

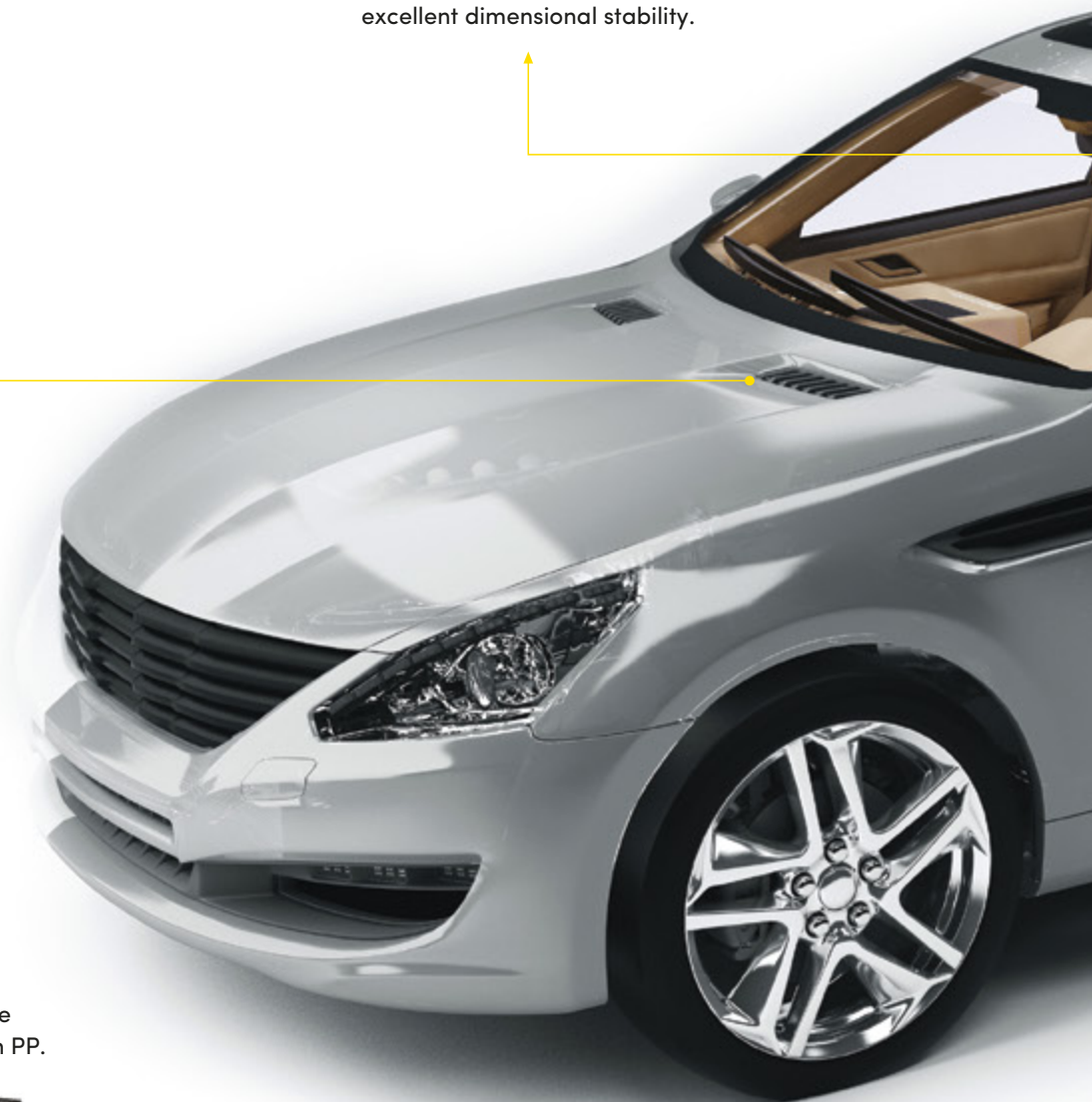
Key Benefits of **Elastron V**, **Elastron G** and **Elastron TPO**
for **Automotive Weatherseals Applications**

- Long term durability
- Excellent weathering resistance
- Excellent sealing performance
- Elasticity
- Low weight
- Fast production , reduced labor cost
- Process advantages
- Recyclable



Glass Run Channel

Elastron V grades provide lower cost and fast processing, as well as good surface quality and excellent dimensional stability.



Cowl Vent Seal

High flow SEBS based
Elastron G products can be
used 2K injection process with PP.



INNER & OUTER BELT LINE SEAL

GLASS RUN CHANNEL

SUN ROOF SEAL

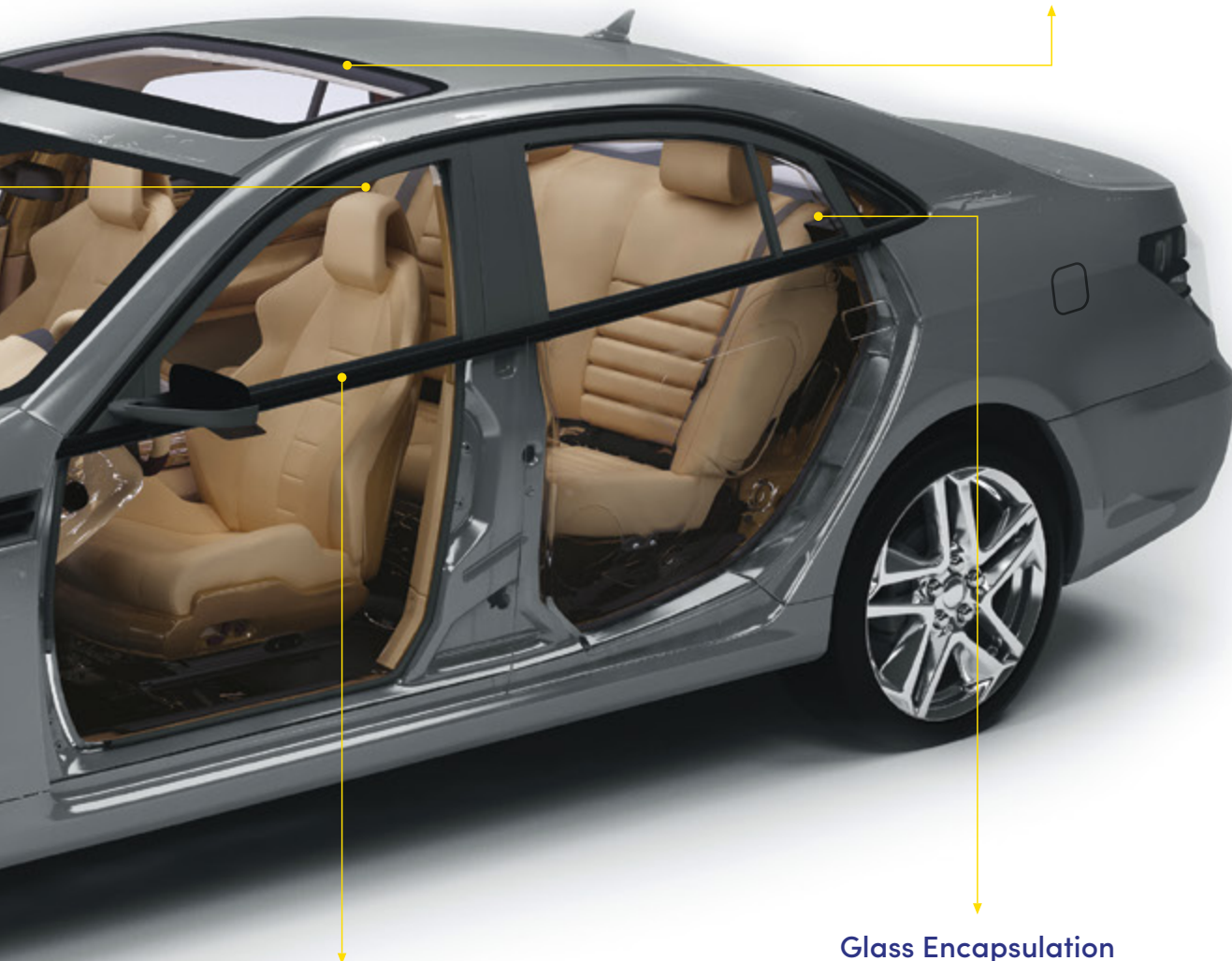
GLASS ENCAPSULATION

COWL VENT SEAL



Sun Roof Seal

Especially designed Elastron V products for weatherseal applications reduce total vehicle weight and provide short cycle time compared with EPDM rubber.



Inner & Outer Belt Line Seals

Elastron V Co-extruded with PP provide excellent sealing performance and weathering resistance.



Glass Encapsulation

Easy flow Elastron V and G based products can be used in two different ways.

- Direct injection on glass
- Assembling to the glass after injection.



ELASTRON WORLDWIDE



**North American
Headquarters / Factory**
GAINESVILLE GA, USA

Sales Office
BENSHEIM, GERMANY

Warehouse
STOCKTON, CA, USA

Warehouse
JAMESBURG, NJ, USA



+49 DISTRIBUTORS



Turkey
Headquarters / Factory
KOCAELI, TURKEY





Find out more about
your TPE solutions
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