

ELASTRON THE TPE SPECIALIST



ELASTRON TPE'S
FOR AUTOMOTIVE
APPLICATIONS

ELASTRON V

ELASTRON G

ELASTRON TPO

T H E R M O P L A S T I C E L A S T O M E R S

elastron

The background of the image is a solid dark blue. Overlaid on this is a complex, abstract pattern of numerous thin, light blue lines. These lines are arranged in a series of concentric, overlapping loops that create a sense of depth and movement, resembling a stylized funnel or a series of ripples. The lines are more densely packed in the center and become more sparse towards the edges.

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TPEs



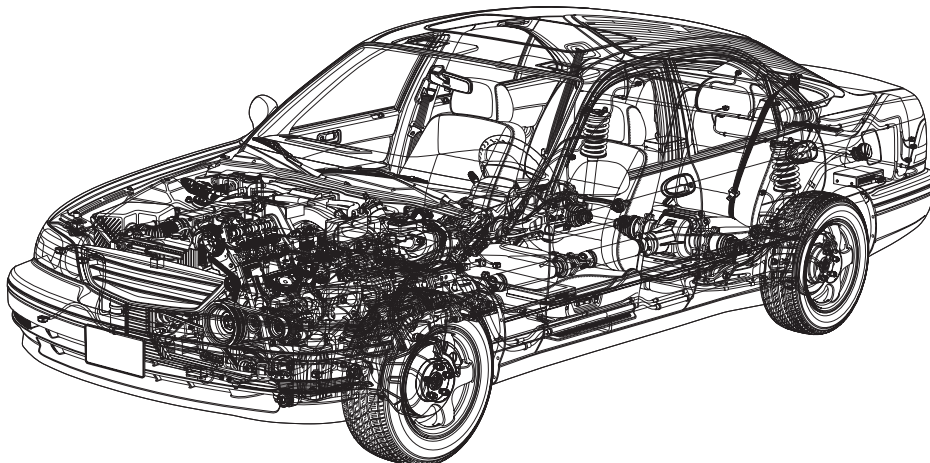
TPEs

are rubberlike materials that can be processed at 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 the ease of coloring.



Elastron is fully dedicated to development, production, marketing and sales of thermoplastic elastomers. The company was established in 1980 with initial production SBS based Thermoplastic Rubber compounds and significant technical developments resulted in adding SEBS and EPDM/PP based thermoplastic elastomers to the product range. In 1998 **Elastron** moved its operations to a new plant and headquarters in Gebze. **Elastron** devotes significant resources to technical developments of new products and applications to meet market 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 9001:2000) ensures that **Elastron** supplies all products with consistent quality that meet customer requirements. **Elastron** was also accredited by the **Automotive Quality System (ISO/TS 16949)** ensuring high quality production and supply to the automotive market. The latest achievement was the certification of **Elastron** according to **ISO 14001:2004 Environmental Management System**, which demonstrates our strong commitment to the environment. In recent years **Elastron** has expanded its global reach with special focus on North America and China. Today **Elastron** is serving over 50 countries with high quality products that meet customer needs. **Elastron** is your right choice for high quality, superior cost performance and overall best value for the global TPE market.



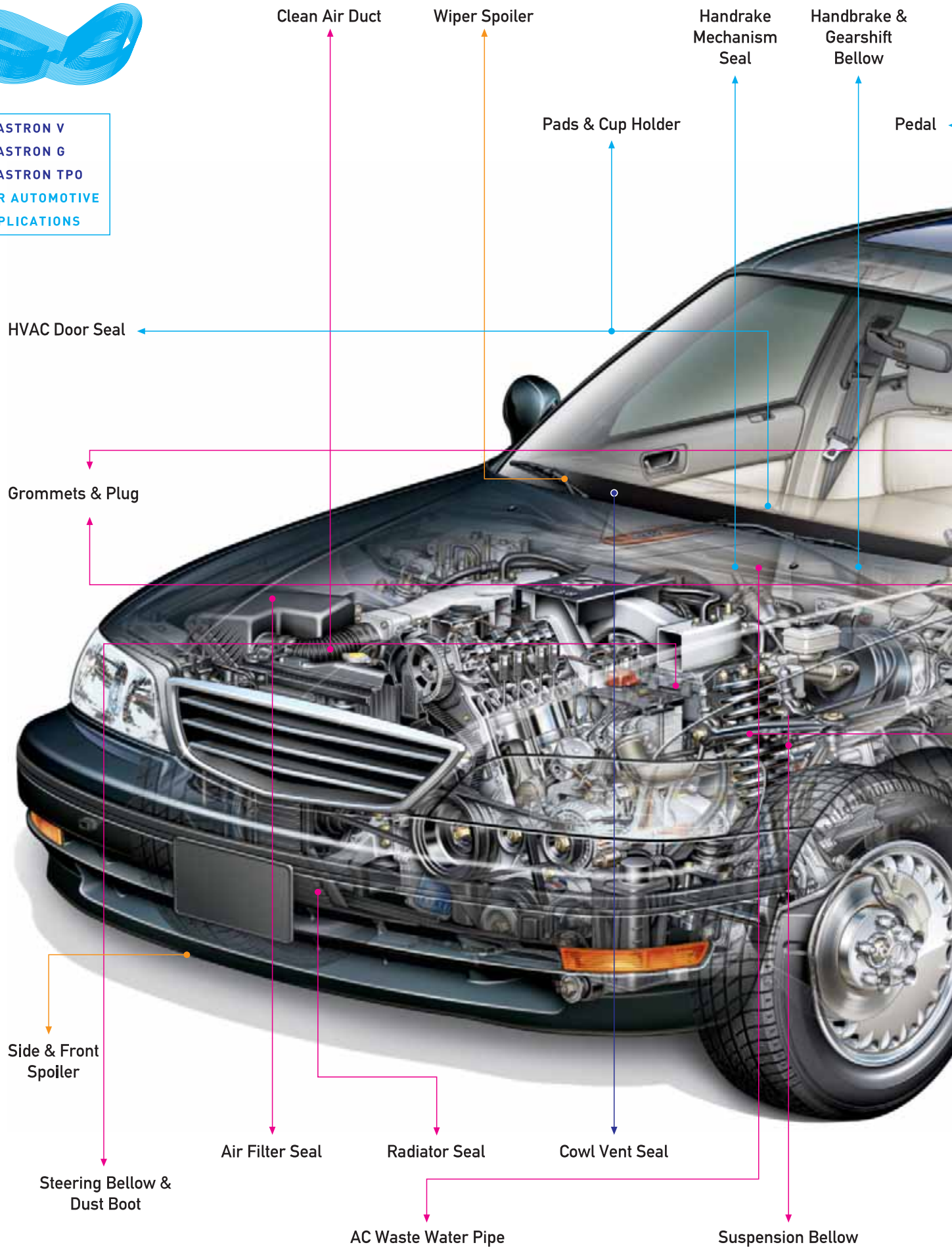
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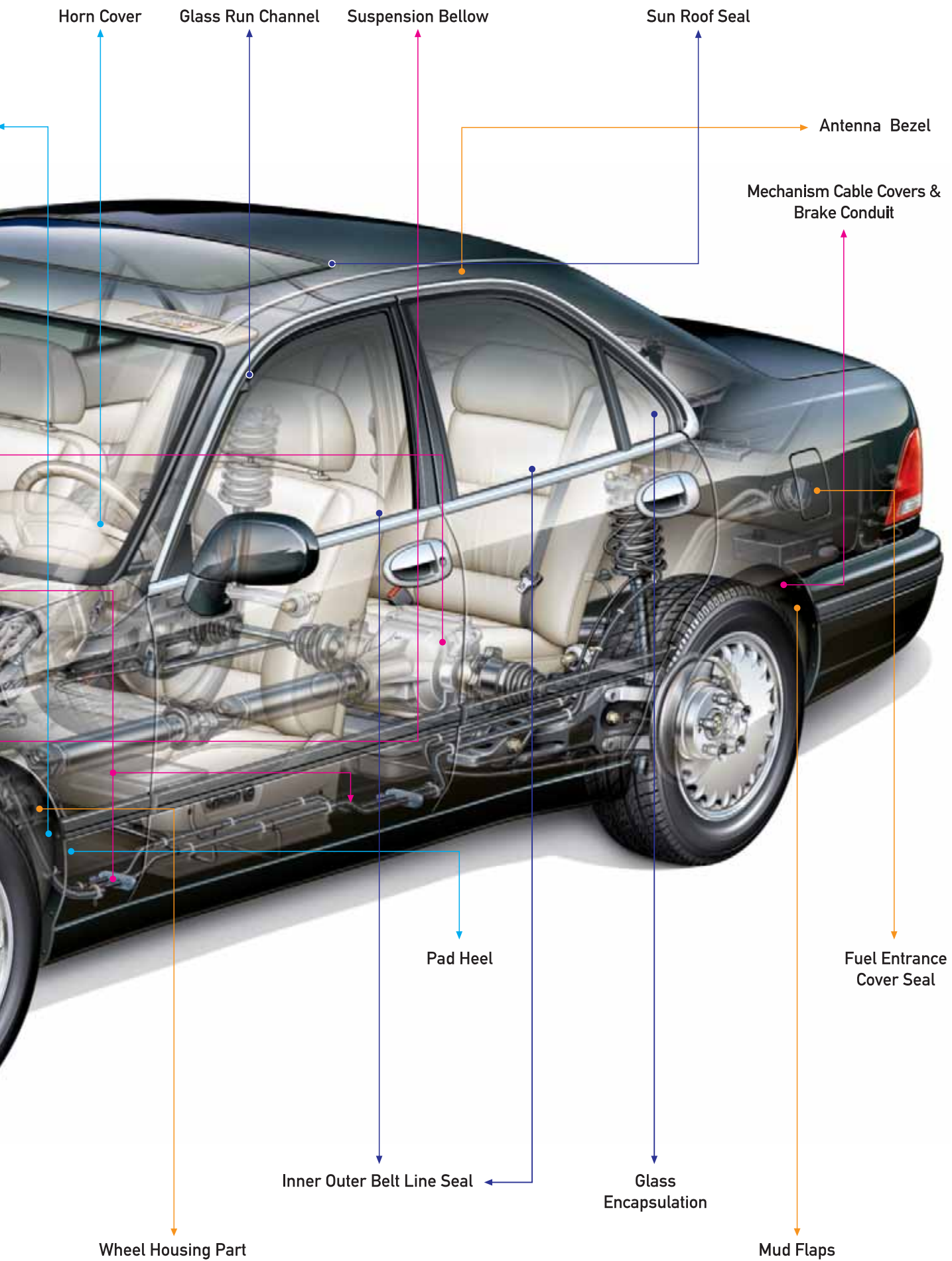
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Key Benefits of **Elastron V**
Elastron G and **Elastron TPO** for
Automotive Interior Applications

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



Gearshift & Handbrake Bellow

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



Pad & Cup Holder

Pads and cup holders made with Elastron SEBS and Elastron TPV provides light weight, perfect appearance and meets low emission requirements for automotive interior applications.

Handbrake Mechanism Seal

Various gaskets made with Elastron TPV and Elastron SEBS based products offer improved isolation high surface quality and meets low emission standards.



Pad Heel

Pad heel made with Elastron TPO is bondable to polyester mat with special hot melt and provides antislip effect for driver comfort.

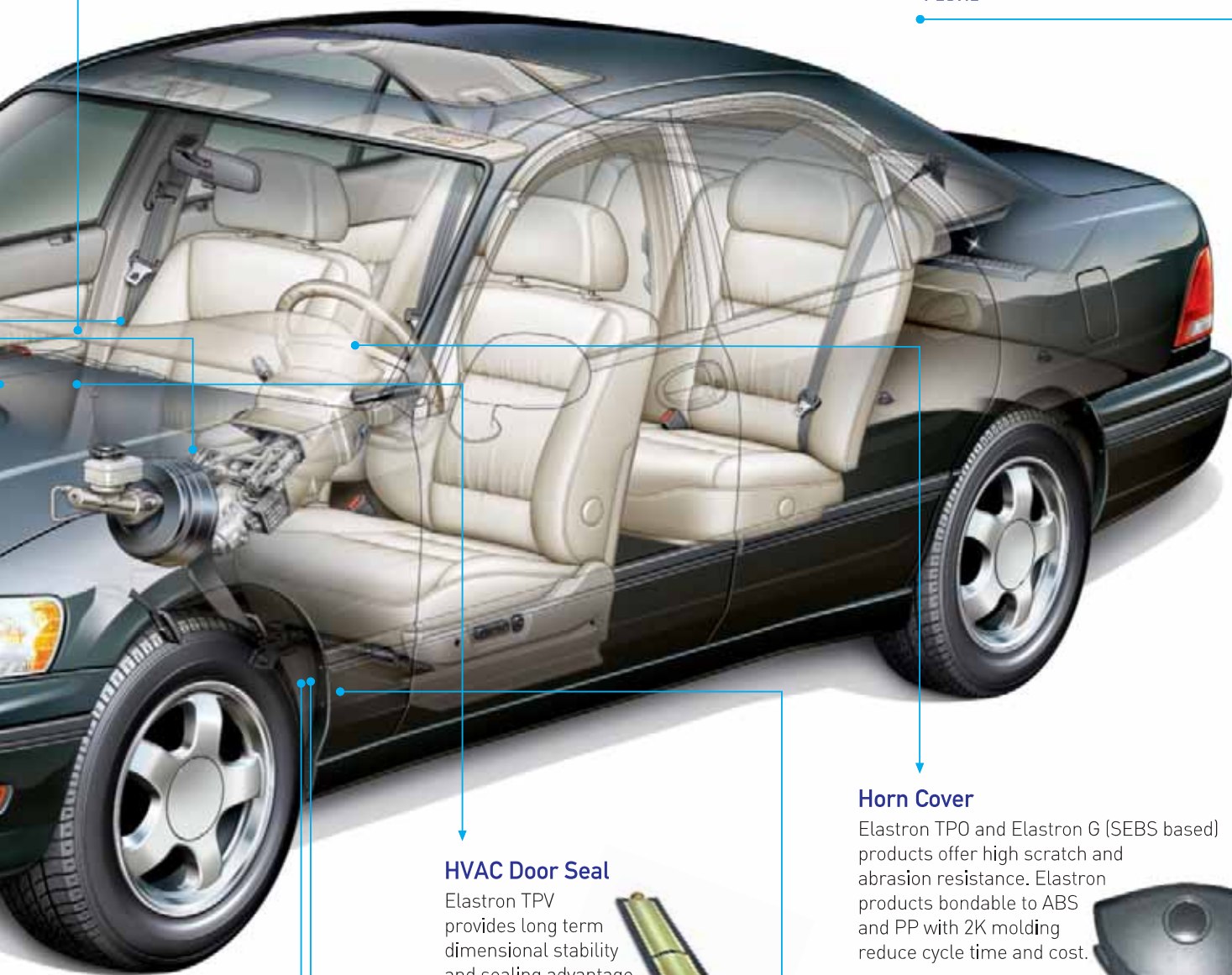


Glowbox Cover & Housing

Glowbox covers made with colourable Elastron TPO meets low emission standards required for interior parts and provides good impact long term UV and abrasion resistance.



GEARSHIFT & HANDBRAKE BELLOW
HVAC DOOR SEAL
HANDBRAKE MECHANISM SEAL
GLOWBOX COVER & HOUSING
MAT
HORN COVER
PAD & CUP HOLDER
PAD HEEL
PEDAL



HVAC Door Seal

Elastron TPV provides long term dimensional stability and sealing advantage in flapper door seals. It meets the low emission standards.



Mat

Mats made with Elastron SEBS compounds provides fast production lower weight long term abrasion and UV resistance compared to Rubber.



Horn Cover

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



Pedal

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





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



Wiper Spoiler

Long term UV stability, scratch resistance and non staining properties make Elastron TPV a choice for Wiper Spoiler application.



Side & Front Spoiler

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



Antenna Bezel

Antenna bezels made from Elastron TPV prevents transmitting vibrations to metal surfaces and has long term dimensional and UV stability.



Fuel Entrance Cover Seal

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



Wheel Housing Part

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



Mud Flap

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



UNDER THE HOOD & CHASIS

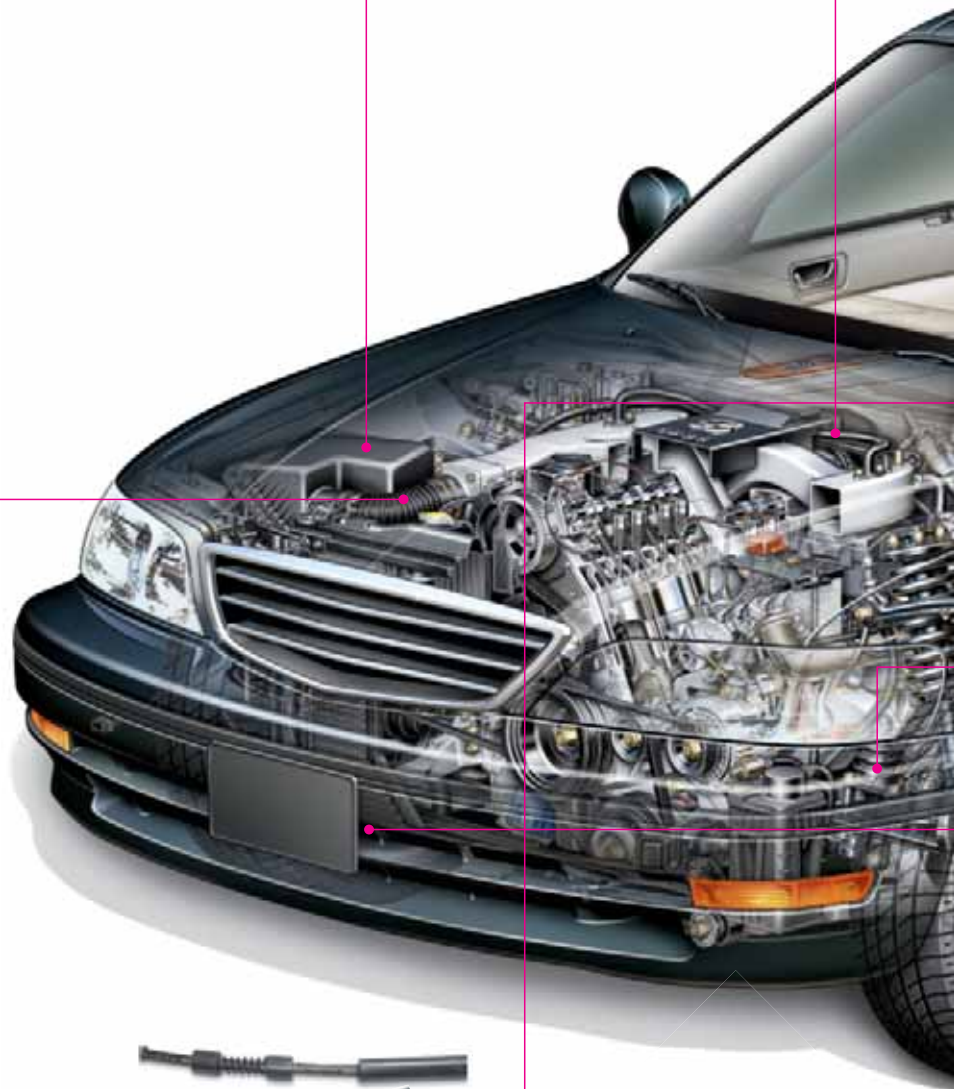
Key Benefits of **Elastron V**
Elastron G and **Elastron TPO** for
 Automotive Under the Hood & Chasis Applications

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

Air Filter Seal

Elastron TPV bondable to PP provides 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 TPV 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 TPV and Elastron TPO provides impact resistance, flexibility, corrosion resistance and superior dampening properties for cable cover application.



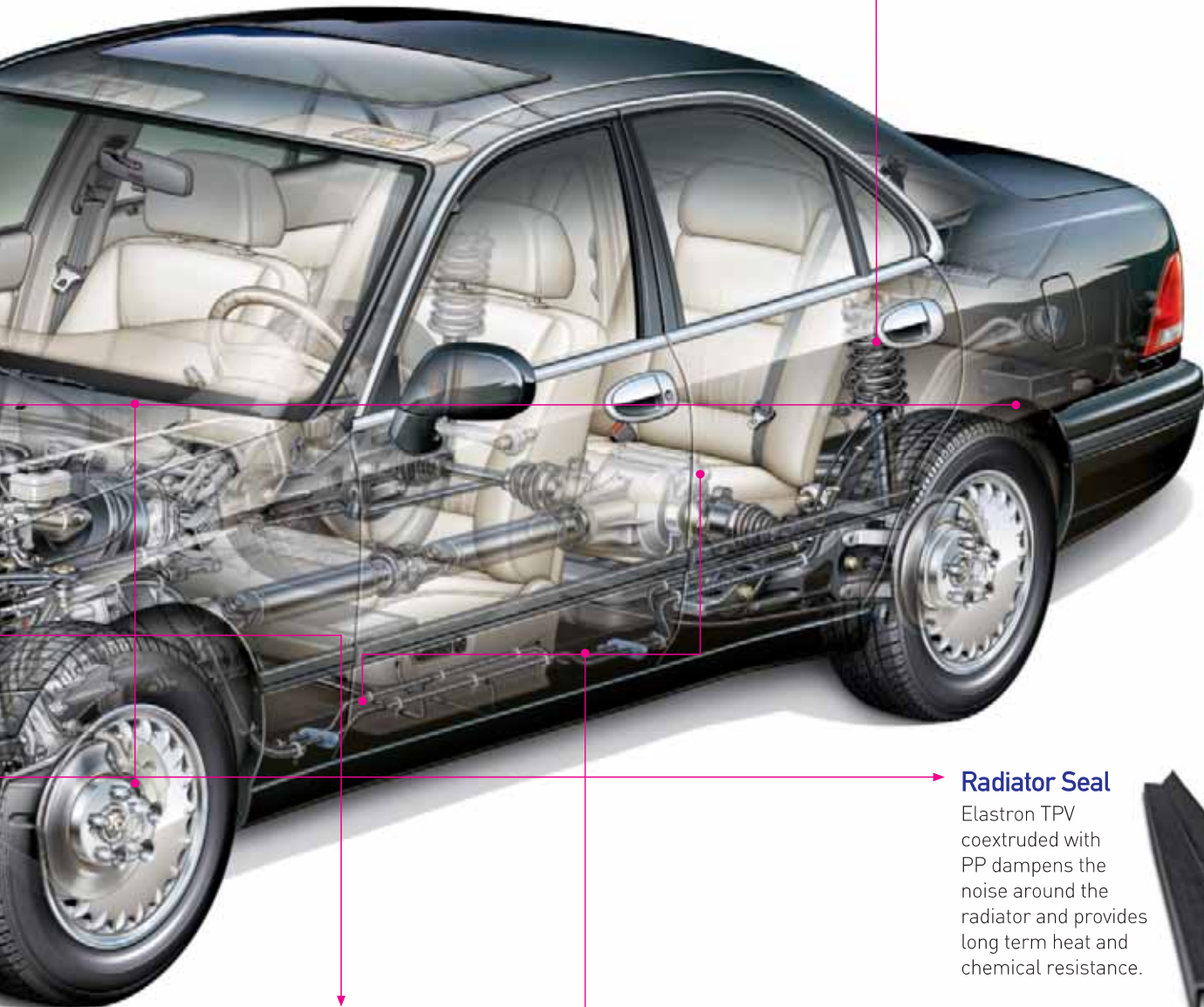
AC Waste Water Pipe

Elastron TPV 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. Bellows produced with Elastron TPV reduces cycle time and labor cost.



Radiator Seal

Elastron TPV 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 TPV provides reduced cost, design flexibility with the process options; Injection Blow Molding Extrusion Blow Molding continuous vacuum corrugation and Press Injection.



Grommet & Plug

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





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

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

INNER & OUTER BELT LINE SEAL
GLASS RUN CHANNEL
SUN ROOF SEAL
GLASS ENCAPSULATION
COWL VENT SEAL



Cowl Vent Seal

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



Glass Run Channel

Good surface quality with excellent dimensional stability. Elastron TPV provides lower cost and fast processing.

Sun Roof Seal

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

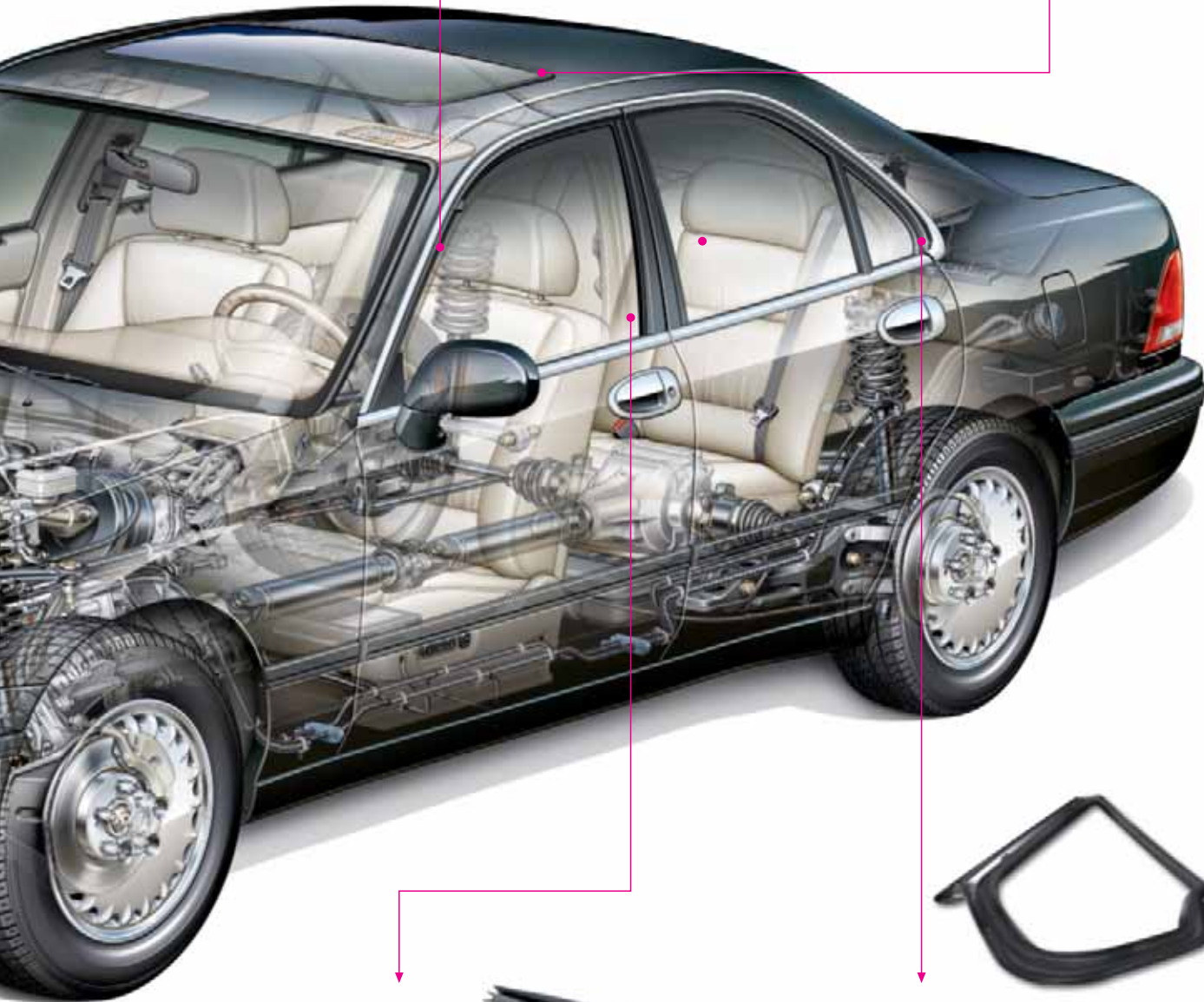
Inner & Outer Belt Line Seals

Elastron TPV Co-extruded with PP provides excellent sealing performance and weathering resistance.

Glass Encapsulation

Easy flow Elastron TPV and SEBS based products can be used in two different ways.

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





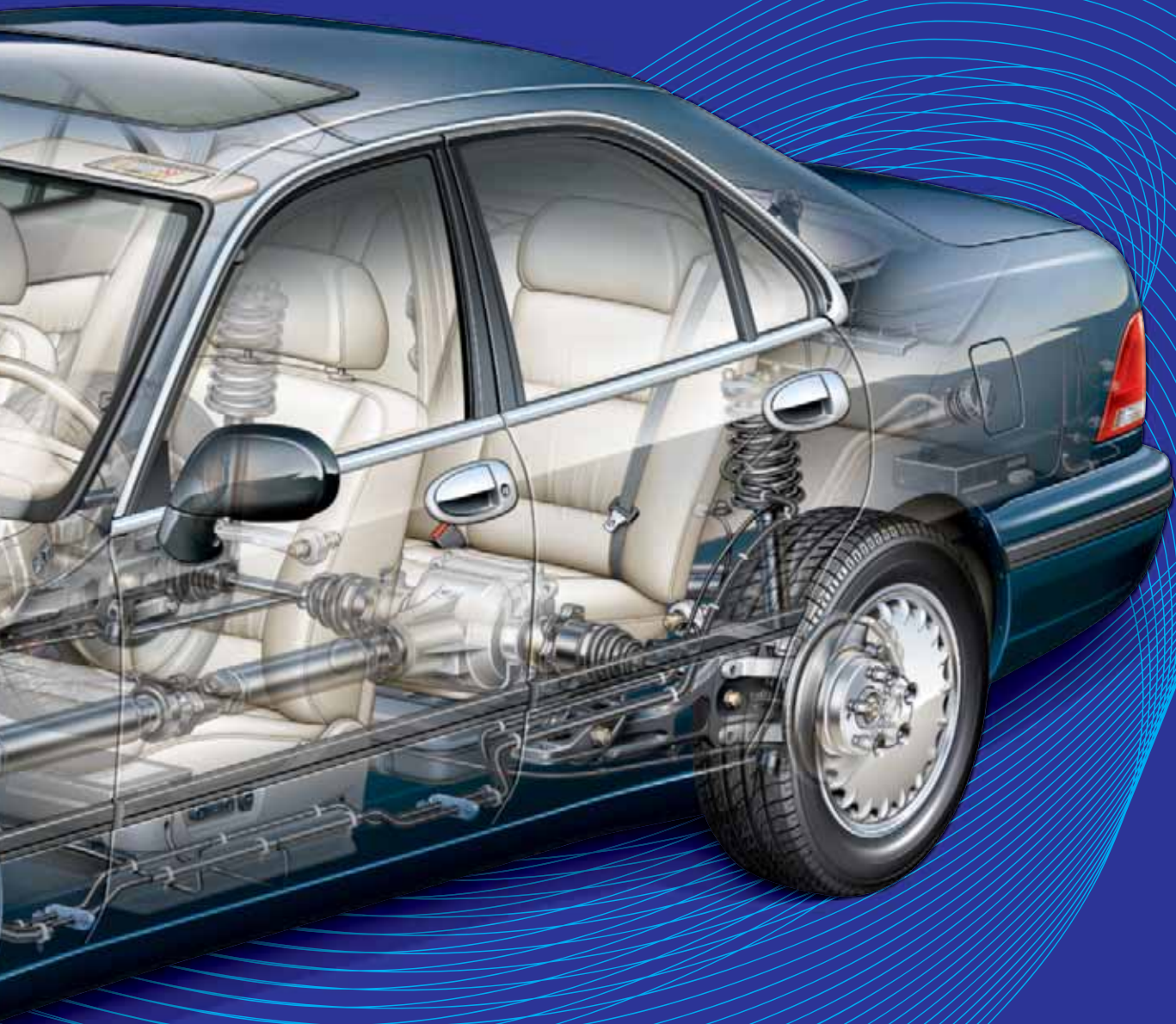
For detailed information please visit our website: elastron.com



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