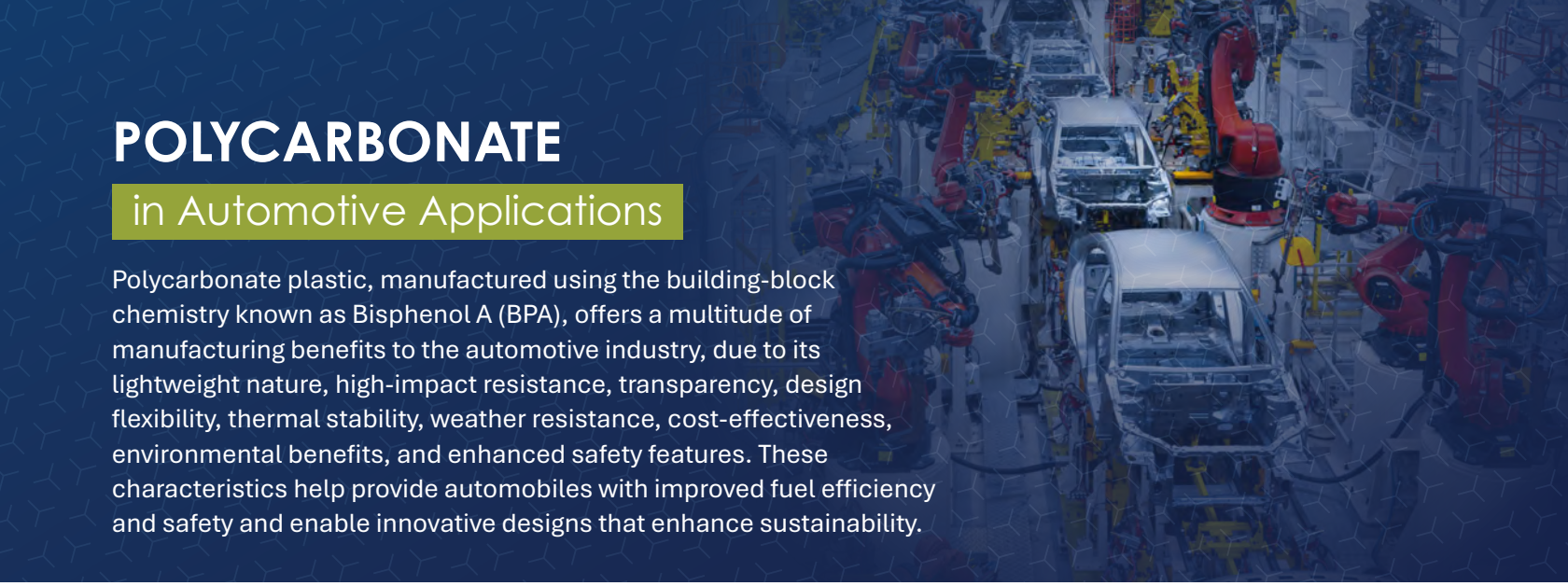
POLYCARBONATE

in Automotive Applications

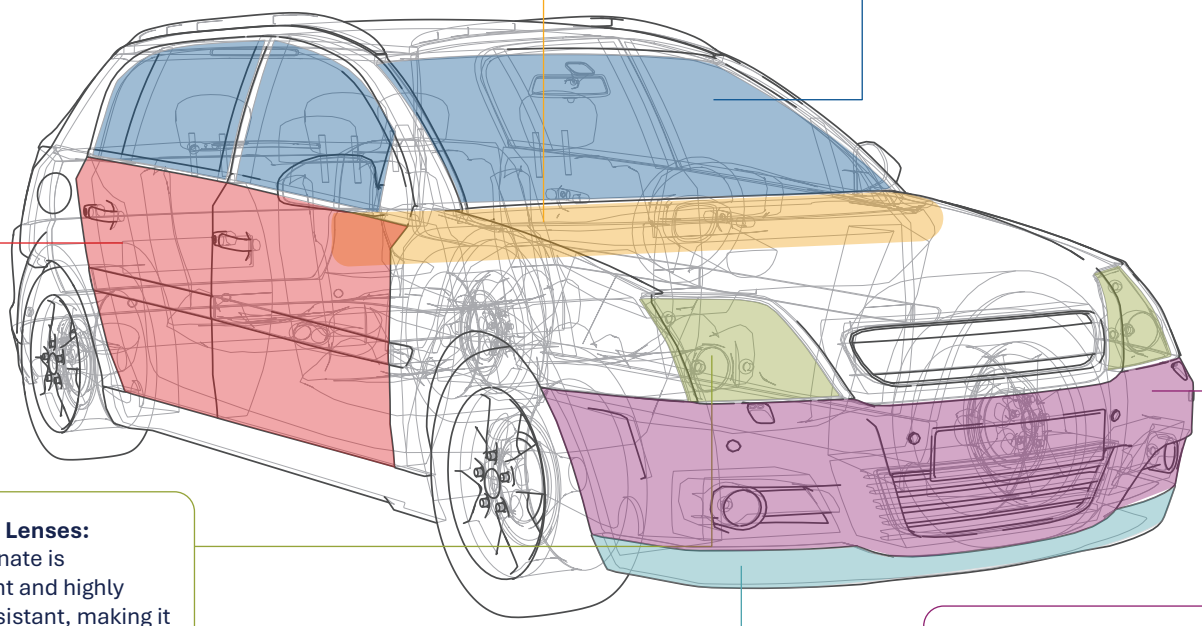


Polycarbonate plastic, manufactured using the building-block chemistry known as Bisphenol A (BPA), offers a multitude of manufacturing benefits to the automotive industry, due to its lightweight nature, high-impact resistance, transparency, design flexibility, thermal stability, weather resistance, cost-effectiveness, environmental benefits, and enhanced safety features. These characteristics help provide automobiles with improved fuel efficiency and safety and enable innovative designs that enhance sustainability.

Exterior Trim: Polycarbonate is also used in exterior trim parts due to its resistance to environmental elements such as water, debris, heat, and cold, helping these parts to maintain their functionality and appearance over time.

Interior Components: Polycarbonate is used for various interior parts such as instrument panels and dashboard components due to its durability and ability to be molded into complex shapes.

Windows and Sunroofs: Polycarbonate is used in window glazing and sunroofs due to its lightweight nature. It weighs 40-60% less than traditional glass, which helps improve fuel efficiency by reducing the overall weight of the vehicle.



Headlight Lenses: Polycarbonate is transparent and highly impact-resistant, making it ideal for headlight lenses.

Bumpers: The impact resistance of polycarbonate makes it suitable for use in car bumpers, helping to absorb and distribute the energy from collisions.

Safety Features: Polycarbonate is used in the manufacturing of safety features like impact-resistant panels and protective covers due to its properties that help improve strength and durability.

Polycarbonate's combination of lightweight, durability, and impact resistance makes it a valuable material in the automotive industry, contributing to safety, efficiency, lower costs, and environmental sustainability.

About the Polycarbonate/BPA Global Alliance:

The Polycarbonate/BPA Global Alliance promotes the business interests and general welfare of the polycarbonate and bisphenol A (BPA) industry through relevant technical, communications, and public policy activities. The membership consists of major manufacturers of polycarbonate plastic and BPA worldwide.

For more information about BPA, please visit https://www.factsaboutbpa.org/.

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