

# North America Polycarbonate Sheets Market Size and Forecasts (2020 - 2030), Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Product Type (General Purpose Grade and Flame Retardant Grade)

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## Abstracts

The North America polycarbonate sheets market is anticipated to grow from US\$ 350.71 million in 2022 to US\$ 513.82 million by 2030; it is expected to register a CAGR of 4.9% from 2022 to 2030.

Polycarbonate sheets are transparent, thermoplastic panels renowned for their strength, versatility, and clarity. Composed of a durable polymer, these sheets offer exceptional impact resistance, making them a popular choice for various applications. Commonly used in construction, they find applications in roofing, skylights, and architectural projects due to their ability to withstand extreme weather conditions. Manufacturers appreciate the lightweight nature of polycarbonate sheets, which contributes to easy handling and installation. The combination of durability, transparency, and versatility makes these sheets a reliable choice in various industries, including construction, manufacturing, and automotive. Whether used for impact-resistant windows, protective barriers, or innovative design elements, polycarbonate sheets have become integral in diverse applications due to their unique blend of properties.

In the automotive industry, polycarbonate sheets are used for various exterior and interior vehicle parts, including bumpers, headlight lenses, sunroofs, and side mirrors. Their exceptional impact resistance is crucial in enhancing passenger safety and reducing the damage risk in the event of accidents. The demand for safer and more durable vehicles has led to the increased adoption of polycarbonate sheets in automotive manufacturing. As fuel efficiency and environmental concerns become

prominent, automakers actively seek ways to reduce the weight of vehicles. Polycarbonate sheets are significantly lighter than traditional materials such as glass, and their use helps in achieving weight reduction targets while improving the overall efficiency of vehicles. According to the International Organization of Motor Vehicle Manufacturers (OICA), vehicle production in North America increased from ~13.5 million in 2021 to 14.8 million vehicles (a rise of 10%) in 2022. As the automotive industry continues to evolve and innovate, high-performance materials are increasingly in demand. In addition, as the automotive industry experiences a transformative shift toward electric vehicles (EVs), polycarbonate sheets' role becomes even more crucial. With the rising demand for EVs, governments in the region are making favorable decisions to improve the production and supply chain of EVs. Between August 2022 (when the Inflation Reduction Act was passed) and March 2023, major EV and battery manufacturers announced investments totaling ~US\$ 52 billion in EV supply chains in North America. As the automotive sector continues to evolve and innovate, polycarbonate sheets are poised to remain a fundamental material for producing high-quality, efficient, and environmentally friendly automotive components. These factors are expected to drive the North America polycarbonate sheets market growth.

Polycarbonate sheets also find significant application in sports complex roofing and facades. The sheets are favored for their exceptional durability and light-transmitting properties, making them ideal for constructing covered stadiums, arenas, and training facilities. These sheets allow natural light to filter through, reducing artificial lighting during the day and creating an energy-efficient and eco-friendly environment. This daylighting effect enhances the overall experience for athletes and spectators. Moreover, the impact resistance of polycarbonate sheets is crucial in sports complexes. They are commonly used for safety barriers, such as protective screens around ice rinks or fencing around soccer fields. Their ability to withstand impact without shattering enhances player safety and reduces the risk of injury. All these factors are driving the North America polycarbonate sheets market growth.

A few key players operating in the North America polycarbonate sheets market are Plaskolite Inc, Palram Americas Inc, Gallina USA LLC, AmeriLux International LLC, A&C Plastics Inc, United States Plastic Corp, Saudi Basic Industries Corp, TAP Plastics Inc, Brett Martin Ltd, and Arla Plast AB. Players operating in the market are highly focused on developing high-quality and innovative product offerings to fulfill customers' requirements.

The overall North America polycarbonate sheets market size has been derived using both primary and secondary sources. Exhaustive secondary research has been

conducted using internal and external sources to obtain qualitative and quantitative information related to the North America polycarbonate sheets market. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain more analytical insights into the topic. The participants of this process include industry experts, such as VPs, business development managers, market intelligence managers, and national sales managers—along with external consultants, such as valuation experts, research analysts, and key opinion leaders—specializing in the North America polycarbonate sheets market.

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