

## Polycarbonate Plastic's Role in Industrial Innovations

In a world racing toward more resilient infrastructure, the materials behind the scenes matter. Many of the advanced products we rely on — from safer vehicles to durable medical devices — depend on high-performing materials like polycarbonate plastic. Made using the building-block chemistry bisphenol A (BPA), polycarbonate is known for combining strength, clarity, and heat resistance, making it one of the most adaptable plastics in the modern economy.

### Common Applications



Aircraft Windows



Skylights & Stadium Roofs



Automotive Structures



Medical Equipment

1

**High Strength:** Delivers dependable structural support

2

**Impact & Heat Resistance:** Withstands heavy use and high temperatures

3

**Optical Clarity:** Remains transparent for glazing, lighting, and medical needs

4

**Durability:** Performs reliably in harsh industrial environments

5

**Weather Resistance:** Resists outdoor fading and degradation

6

**Lightweight Strength:** Reduces weight while maintaining rigidity & safety

7

**Sterilization Compatible:** Stays strong and clear through medical sterilization

8

**Strong Adhesion:** Bonds firmly to a wide range of materials

9

**Energy Efficiency:** Helps support insulation and natural light transmission in buildings



**About the Bisphenol A North American Team:** The Bisphenol A North American Team 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 in North America. For more information about BPA, please visit [www.factsaboutbpa.org](http://www.factsaboutbpa.org).