



Powering Modern Electronics with Polycarbonate Plastics

In today's fast-paced digital world, the materials behind our electronics are just as critical as the technology itself. Polycarbonate plastic — a material made using the building-block chemistry bisphenol A (BPA) — plays an essential role in enhancing the performance, safety, and durability of electronic devices.

Polycarbonate plastics are a major contributor to the electronics and electrical industry, which accounted for \$27 million in shipments, 170,100 jobs and \$39 billion in payroll to the overall U.S. Economy, according to September 2024 data from ACC's Economics & Data Analytics Department, the Bureau of Labor Statistics, and Census.

Common Applications



Cell Phone Casing

Laptop Casing

Tablet Casing

Game Console Casing

Benefits

- 1** **Durable:** High impact resistance protects devices
- 2** **Heat Resistant:** Performs well under high temperatures
- 3** **Insulating:** Excellent electrical insulation
- 4** **Lightweight:** Reduces device weight
- 5** **Transparent:** Useful for screens and covers
- 6** **Flame-retardant:** Available in fire-safe grades
- 7** **Moldable:** Supports complex, compact designs
- 8** **Stable:** Maintains shape under stress
- 9** **Recyclable:** Supports sustainable manufacturing

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.