

# U.S. Polycarbonate Industry Economic Contributions



Polycarbonate plastic, made with bisphenol A (BPA), plays a vital role in the U.S. economy, with its combination of unique benefits seen across such critical industries as automotive, health care, electronic equipment, safety gear for military and law enforcement, and many others. Prized for its shatter-resistant and lightweight qualities, polycarbonate plastic provides many consumer and industrial products with toughness, optical clarity, and resistance to heat and electricity. As global competition and economic uncertainty increases, polycarbonate plastic produces billions of dollars in economic activity and helps U.S. industries manufacture more durable, strong, and innovative products.

Nearly **\$5.3 billion** output is supported by the economic activity associated with production of polycarbonate, including supply chain impacts.

## Upstream Economic Contributions of U.S. Polycarbonate Manufacturing

	Employment	Payroll (\$mil)	Output (\$mil)
Direct	1,500	\$226	\$1,620
Supply Chain (Indirect)	4,950	\$397	\$2,418
Payroll Induced	4,970	\$285	\$1,012
<b>TOTAL</b>	<b>11,420</b>	<b>\$908</b>	<b>\$5,292</b>

Analysis of upstream economic impact was done with the IMPLAN model, using industry spending patterns and output-to-labor ratios.

## U.S. Polycarbonate Industry

Source: ACC analysis, S&P Global, ICIS | Includes estimates

### CAPACITY

**830,000**  
TONS

**11%**  
of global capacity

**#2**  
in the world

### PRODUCTION

**680,000**  
TONS

**13%**  
of global production

**#3**  
in the world

### CONSUMPTION

**420,000**  
TONS

**8%**  
of global consumption

**#2**  
in the world

## Applications of Polycarbonate

### AUTOMOTIVE

- Headlights
- Exterior Panels
- Bumpers



### MEDICAL DEVICES

- Dialyzers
- Insulin Pumps
- IV Connectors



### AEROSPACE

- Instrument Panels
- Aircraft Canopies & Interiors
- Windows & Windshields



### ELECTRONICS

- Laptops
- Cell Phones & Tablets
- Electric Chargers



### PROTECTIVE GEAR

- Ballistic Helmets & Shields
- Bulletproof Windows
- Protective Goggles & Eyewear



### Major End-Use Industries that May Depend on Polycarbonate Products and/or Inputs

Used in many consumer and industrial products, polycarbonate plastic made with bisphenol A (BPA) is a shatter-resistant, lightweight, high-performance plastic with toughness, optical clarity, high heat resistance, and excellent electrical resistance.

	Shipments (\$bil)	Jobs	Payroll (\$mil)
Automotive (Parts, Mfg., Assembly)	\$462.7	656,264	\$48.7
Medical Device Manufacturing	\$94.9	334,121	\$28.3
Aerospace	\$35.0	80,437	\$8.4
Film & Sheet	\$28.2	111,192	\$6.9
Appliance/Housewares	\$27.9	69,409	\$4.7
Electronics & Electrical	\$27.7	170,147	\$39.0
Consumer Goods, Sports & Recreation	\$12.4	46,892	\$3.1
<b>TOTAL</b>	<b>\$688.8</b>	<b>1,468,462</b>	<b>\$139.1</b>

**Source:** ACC analysis, BLS, Census

**Note:** These figures reflect industry-level data for key industries in which polycarbonates are used. However, ACC does not attempt to qualify the portion of given industry data that relies on polycarbonate.