

U.S. Epoxy Resin Industry Economic Contributions



Epoxy resins, most of which are made from bisphenol A (BPA), play a vital role in the U.S. economy, serving as foundational materials across key industries such as automotive, aerospace, electronics, medical devices, and many more. Known for their exceptional mechanical strength, chemical resistance, and adhesive properties, epoxy resins are indispensable in applications ranging from protective coatings and adhesives to composites and electrical systems. As the U.S. and industry continue to invest in infrastructure, manufacturing, and cutting edge technologies, epoxy resins are poised to remain a critical component of economic growth, technological innovation, and environmental resilience.

More than **\$3.3 billion** of output is supported by the economic activity associated with production of epoxy resin, including supply chain impacts.

Upstream Economic Contributions of U.S. Epoxy Manufacturing

	Employment	Payroll (\$mil)	Output (\$mil)
Direct	680	\$74	\$1,082
Supply Chain (Indirect)	2,720	\$187	\$2,755
Payroll Induced	2,520	\$118	\$1,533
TOTAL	5,920	\$379	\$3,370

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

U.S. Epoxy Resin Industry

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

CAPACITY

360,000
TONS

6%
of global capacity

#4
in the world

PRODUCTION

170,000
TONS

5%
of global production

#4
in the world

CONSUMPTION

170,000
TONS

5%
of global consumption

#2
in the world

Applications of Epoxy

TRANSPORTATION

- Sealants for EV Battery Packs
- OEM Automotive & Aircraft Primers
- Helicopter Rotor Blades



ELECTRONICS

- Painted Circuit Boards (PCBs)
- Wire Coatings
- Adhesives in Electronic Manufacture



CONSTRUCTION

- Industrial and Institutional Flooring
- Concrete Bridge & Parking Structures



ENERGY & INDUSTRIAL

- Tank & Pipe Coatings
- Wind Energy Turbine Blades
- Compressed Natural Gas Storage



CONSUMER PRODUCTS

- Beverage Can Linings
- Appliances
- Tennis Racket, Golf Clubs, Bicycles



Major Industries that Depend on Epoxy Resin Products and/or Inputs

Epoxy resins are indispensable to a wide range of major U.S. end-use industries due to their unique combination of strength, durability, and chemical resistance. Their versatility supports innovation, enhances product longevity, and contributes to energy efficiency and safety across industrial applications, making them a cornerstone of modern manufacturing and engineering.

	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
TOTAL	\$688.8	1,468,462	\$139.1

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.