

Plastic in Action

National Security

Plastic is essential to ensuring our national security, playing a vital role in protecting service members, supporting first responders, and affirming the strength and reliability of our supply chain. From military gear to advanced aerospace components, plastic materials—especially high-performance plastic fluoropolymers—enable safety, durability, and innovation across national defense and emergency applications throughout the United States.



Plastic is used to make body armor, helmets, vehicles, drones, and hazard detection equipment to protect military and emergency responder personnel.



Plastic fluoropolymers enhance safety and reliability in aircraft, space equipment, and transportation applications, providing safe encasings for internal wiring and lightweight, flexible materials that can withstand gravitational demands.



Plastics are integral to secure high-performance components like circuit boards, seals, and insulation for aerospace, automotive, and electronic applications.



The versatility and resilience of plastic material provide support for national defense and emergency readiness around the clock.

Plastic supports our national security.

More than one million Americans work in jobs directly or indirectly connected to the plastics industry, spanning a wide range of sectors. From the engineers who design the machinery that manufactures essential plastic products, to the material suppliers distributing raw plastics, to the processors shaping materials into goods, and the recyclers giving used plastic a second life, the plastics supply chain is a vital aspect within both the U.S. and global economy.