Positives of Plastic

Plastic in Action

Technology

Plastics are integral for modern electronics, offering lightweight, durable, and cost-effective solutions integral to safety through electrical insulation and impact resistance. From wire insulation and fiber-optic cables to medical devices and wearable technology, plastics enable the functionality and reliability of a wide range of electronic applications in our everyday lives.

Both silicone and plastic materials combined make up about half of the materials used to create your smartphone.

Multiple major electronics makers, including Apple, Dell, HP, Samsung, Sony, and Microsoft are ramping up use of recycled plastic in their products.

Plastic materials make casings for consumer electronics like laptops and cell phones possible, using a range of plastics such as acrylonitrile butadiene styrene (ABS) and polycarbonate to help protect our devices from impact and damage.

Semiconductor chips—the essential building blocks of modern electronics, from smartphones and automobiles to military systems—are protected from moisture, dust, and mechanical stress thanks to plastic materials like epoxy resins.

Plastics enables the functionality and reliability of modern electronic.

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.