Fluoropolymers are polymers with fluorine atoms directly attached to their carbon backbone. Fluoropolymers are materials that possess a unique combination of properties, making them more efficient, versatile and critical to the products that they enable.

These include:
- Fire Resistant
- High Performance Electrical Insulator
- Weather Resistant
- Non-Wetting
- Non-Stick
- Temperature Resistant
- Chemically Resistant

Fluoropolymers By the Numbers

1,500
Direct Jobs

13,500
Indirect Jobs

Downstream Jobs

Hundreds of thousands of additional jobs are supported by industries that rely on fluoropolymers.

$520M
Trade Surplus

$150M
Research & Development
(6.4% OF REVENUE OF INTERVIEWED COMPANIES)

CHEMICAL AND INDUSTRIAL USES: A CLOSER LOOK

Fluoropolymers make production equipment stronger and help reduce the risk of chemical accidents. They enable a high level of production efficiency, which is critical to global competitiveness. The Chemical Sector:

- Lining of piping, flowmeters, fittings, fluid-handling components, process vessels, storage tanks and transport containers
- Filters and sealants
- Polymer processing additives
- Labware products and medicine packaging
- Non-stick surfaces

Critical Chemical and Industrial Process Uses:

Benefits of Fluoropolymers to the Chemical Industry:
- Lower maintenance costs through corrosion prevention
- Increased lifetime of components
- Almost universal resistance to chemicals and oils
- Resistance to low and high operating temperatures
- Insulation properties which enable downsizing and weight reduction
- Non-stick and low friction properties

$553B
In Production

542,000
Americans

Employs

520M
Trade Surplus

150M
Research & Development
(6.4% OF REVENUE OF INTERVIEWED COMPANIES)

Prepared by the Fluoropolymer Industry with Support from AGC, Chemours, Daikin and 3M

2018 Socio-economic assessment of the U.S. Fluoropolymer Industry, prepared by the Fluoropolymer Industry with support from AGC, Chemours, Daikin and 3M, and developed by Wood Environment & Infrastructure Solutions UK