

# THE FLUOROPOLYMER INDUSTRY IN THE UNITED STATES

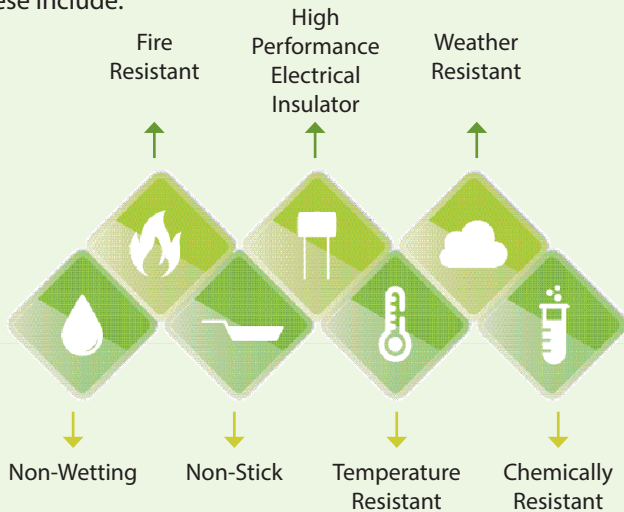
## A SOCIOECONOMIC PERSPECTIVE

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

### Unique Combination of Properties

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:



### 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:



\$553B  
In Production



Employs  
542,000  
Americans

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

Critical Chemical and Industrial Process Uses:

- 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

