

THE FLUOROPOLYMER INDUSTRY IN THE UNITED STATES

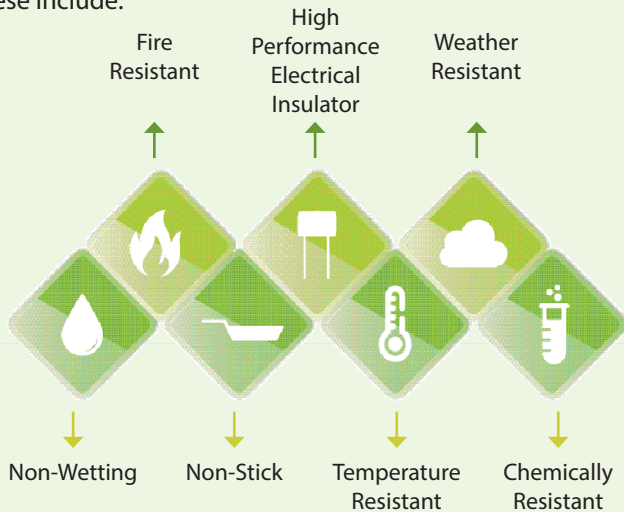
A SOCIOECONOMIC PERSPECTIVE

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)

ENERGY: A CLOSER LOOK

Fluoropolymers have contributed to significant technical advances in solar power generation, production efficiencies in wind turbines and to the development of lithium ion batteries. They also help to create high performance products.



\$350B

Total investment in the U.S. energy Sector



855,000

Jobs directly and indirectly supported by renewable energy

Critical Energy Uses:

- Components in wind turbines and photovoltaic cells
- Paints and coatings that withstand harsh operating conditions
- Solar thermal installations for homes and commercial buildings
- Equipment used in geothermal plants
- Flue gas heat exchangers that improve boiler efficiency
- Rings, valves, pumps, filters and cables

Benefits of Fluoropolymers to the Energy Sector :

- Increased lifetime of components
- Lower maintenance costs
- Increased efficiency from improved functionality and reduced failures
- Design flexibility
- Corrosion prevention
- Pollution abatement

