

THE FLUOROPOLYMER INDUSTRY IN THE UNITED STATES

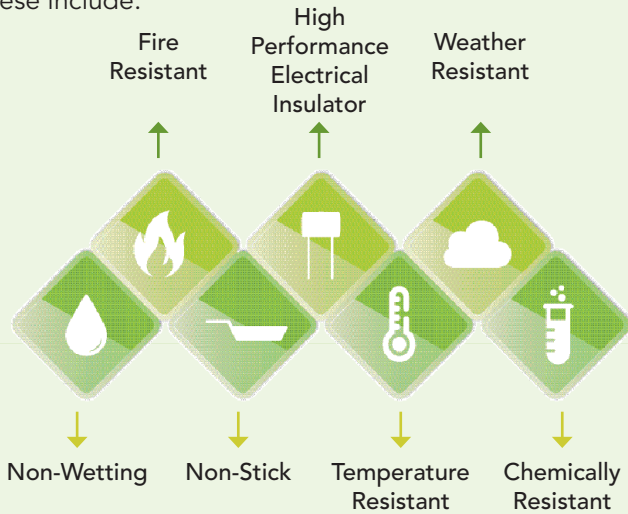
A SOCIOECONOMIC PERSPECTIVE

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



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



AEROSPACE: A CLOSER LOOK

Fluoropolymers are critical to the aerospace industry because they enhance reliability, safety and communication in aircraft. Alongside other advanced materials, they help to deliver performance under challenging environmental conditions. The Aircraft and Defense Industry:



\$929B
Sector



Employs
881,000
Americans

Benefits of Fluoropolymers to Aerospace:

- ⚙️ Improve resistance to heat and cold
- ⚙️ Improve fire and smoke resistance
- ⚙️ Prolong the life of various components in aircraft
- ⚙️ Protect against corrosion
- ⚙️ Prevent fuel leaks
- ⚙️ Improve safety and enable better communication

Critical Uses in Aerospace

- ⚙️ Insulation for cables and wires in aircraft and spacecraft
- ⚙️ Antenna technology that improves in-flight connectivity to wireless networks
- ⚙️ Aircraft interior coatings, materials, tapes and gaskets
- ⚙️ Rings and seals for hydraulic systems, hoses and tubing
- ⚙️ Provide a host of uses that support modern aircraft electronic systems

