THE FLUOROPOLYMER INDUSTRY IN THE UNITED STATES
A SOCIOECONOMIC PERSPECTIVE

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:
- 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)

TRANSPORTATION: A CLOSER LOOK

Fluoropolymers play a critical role in the transportation industry and are used in many components of cars, trucks and aircraft. They are critical for high performance over a wide range of harsh operating conditions and contribute to both passenger safety and emission controls.

The Transportation Sector:

- Better fuel economy by reducing vehicle weight
- Lower exhaust emissions, including both carbon and NOx gasses
- Increased lifetime of components
- Improved reliability and lower maintenance costs
- Increased comfort and noise reduction
- Enables use of alternative fuels and power storage batteries
- Helps avoid oil and fluid leakage

Critical Transportation Uses:
- Fuel lines, fuel hoses and turbocharger hoses
- O-rings
- ABS brake lines
- Greenhouse gas emissions controls
- Fuel cells and batteries in electric vehicles
- Insulation for cables and wires in aircraft and spacecraft
- Aerospace materials, tapes and gaskets
- Electronic systems

Added $1,070B to GDP in 2016
6% of Total GDP

Benefits of Fluoropolymers to the Transportation Sector: