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.

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.

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

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

ENERGY: A CLOSER LOOK

- 350B Total investment in the U.S. energy sector
- 855,000 jobs directly and indirectly supported by renewable energy

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

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