

FLUOROTECHNOLOGY FOR ELECTRONICS APPLICATIONS



FluoroTechnology products are critical to today's consumer, industrial, commercial and military electronics. High dielectric fluoropolymers enable the transmission of high frequency signals on which most modern electronics are based. FluoroTechnology improves insulation, weatherability, transparency and water resistance for many key electronic products. It also helps make touch screens smooth and smudge resistant.

The use of FluoroTechnology in the electronics industry supports more than 23,000 jobs in the U.S. and more than 53,000 jobs in Europe. Globally, FluoroTechnology materials and products specific to the electronics industry generate a total of \$175.5 billion in economic output.¹

High-Performance Electronics Applications

- Etching and Resist Materials
- Hard Disk Drives
- Cell Phones
- Wireless Devices and Base Stations
- Printed Circuit Boards
- Data Centers for Cloud Computing
- Optical Fiber
- RF Connectors
- WiFi Antennae



FluoroCouncil's Commitment to Sustainability

FluoroCouncil and its members are working with regulatory authorities and other stakeholders worldwide to innovate and drive increasingly sustainable FluoroTechnology solutions, including the global transition from long-chain PFAS² to alternatives such as short-chain fluorochemicals. Short-chain fluorochemicals are alternatives to the long-chain PFAS that provide the same valuable properties, but with improved environmental and human health profiles.

All FluoroCouncil companies are charter members of the [2010/2015 PFOA Stewardship Program](#), a global partnership with U.S. Environmental Protection Agency (EPA) based on goals to eliminate perfluorooctanoic acid (PFOA) and related chemicals from facility emissions and product content by the end of 2015. Similar programs are in place with Environment and Health Canada. A significant volume of data has been developed and rigorously evaluated by industry and regulators, supporting the conclusion that the short-chain alternative substances offer equivalent performance with improved environmental and human health profiles.

According to [the U.S. EPA](#), "data indicate that [shorter-chain chemicals] have substantially shorter half-lives in these animals than PFOA and are less toxic than long-chain PFAC chemicals."

¹ Based on preliminary estimates of 2013 data by the American Chemistry Council.

² PFAS = per- and polyfluoroalkyl substances

THE FLUOROCOUNCIL MEMBERS ARE:

Archroma Management LLC, Arkema France, Asahi Glass Co., Ltd., Daikin Industries, Ltd.,
Solvay Specialty Polymers, and The Chemours Company LLC