

Serving the Beverage Processing Industry with Kynar® PVDF



Today's wine, beer and juice producers, home brewers, and restaurants demand materials that are **easily processable**, **flexible**, and can withstand more **physical and chemical abuse**. Kynar® fluoropolymers are extreme materials with specific attributes that give them the ability to **replace other plastics and even stainless steel**. Easily processable into pump components, tubing, fittings, pipes, and valves, Kynar® PVDF is available in various grades for demanding customer applications.

- → Abrasion Resistance Can outperform steel
- ightarrow Low Absorption Taste of beverage is minimally affected
- ightarrow Low Extractables Regulatory compliance achieved
- ightarrow Chemical Resistance Easy to clean and maintain
- → A Complete Solution Kynar® resins can be joined together using various common methods (mechanically joined, threaded, or fusion welded)



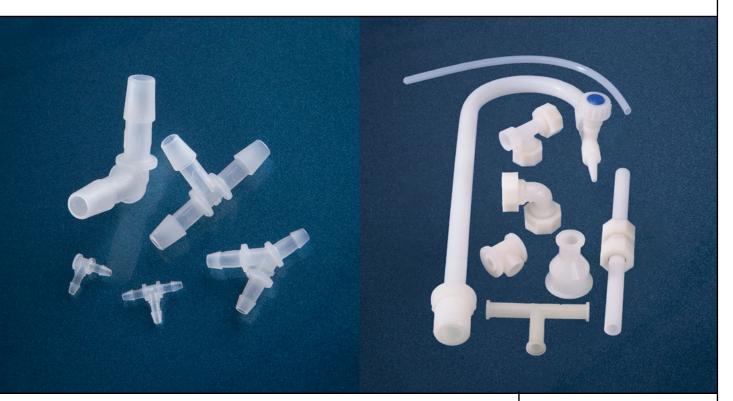
KYNAR® PVDF ADVANTAGES OVER EXOTIC METALS

- \rightarrow Non-Corroding / No Rust
- \rightarrow Non-Wetting / Easy Release
- \rightarrow Chemically Inert
- \rightarrow High Purity / Minimal Leaching
- ightarrow No Metallic Taste Issues
- ightarrow Can Clean with Aggressive Chemicals
- ightarrow Broad Range of Processing Equipment Components
- $\rightarrow \textbf{Lightweight}$
- \rightarrow Safety No Sharp Edges



INDUSTRY SPECIFICATION

- \rightarrow Certain grades of Kynar® PVDF conform to specifications and requirements for the beverage processing industry, including FDA 177.2510 and 177.2600 for Repeated Contact with Food, Kosher Certified by Chicago Rabbinical Council (CRC), NSF 51 & 61, and USP Class VI.
- → **Available Grades:** A variety of grades are available with a wide range of properties. The most commonly used grades in the Beverage Industry are Kynar Superflex® 2500, Kynar Flex® 2750, Kynar Flex® 2800, Kynar Flex® 2850, Kynar® 1000 HD, and the Kynar® 700 series. Specific grade properties and characteristics can be found at <u>ark.ma/polymerDatabase</u>. **www.extremematerials-arkema.com.**
- ightarrow APPLICATIONS INCLUDE PIPING, FLEXIBLE TUBING, FITTINGS, CONNECTORS AND MORE...



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