

### ALTAFLO 500 PVDF // Tubing

Altaflo 500 is produced from a Kynar® homopolymer PVDF resin and is available as a custom order. Minimum order requirements apply. Please consult factory for sizes and availability. For Flexible PVDF, please see Altaflo 550 series.

### ALTAFLO 500 SERIES PVDF // Physical Properties

Physical Property	ASTM TEST METHOD	Units	Values
Upper Service Temp.			250°F
Specific Gravity	D 792		1.77-1.79
Tensile Strength	D 1708	PSI	5000-7000
Elongation	D 638	%	50-200
Flex Modulus	D 790	PSI	240,000-300,000
Hardness	D 2240	Shore D	76-80

**Notes:** The above information is based on tests performed at 73°F and can vary in individual applications based on parameters such as temperature, chemical concentration, pressure, etc. Please consult the factory for details. For an estimate on burst pressure at ambient temperature, we consider a 3:1 ratio when exposure temperature is 73°F. However, Pexco does not recommend exceeding the suggested Working Pressure listed.



This Altaflo 500 PVDF has been tested and certified by WQA against NSF/ANSI 61 to Commercial Hot (180° F/82° C), and NSF/ANSI 372 for lead free compliance.

Testing to NSF 51 has been dropped by our certifying agent Water Quality Associates (WQA). We have previously received this certification and have reason to believe if tested these products would meet the requirements. Each has currently achieved NSF 61 and NSF 372 certification. We are in the process of locating a new certifying agent for the NSF 51 certification.

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Neoflon® is a registered trademark of Daikin

Kynar® and Kynar Flex® are registered trademarks of Arkema Inc.

### ALTAFLO 500 PVDF Flex

**PVDF (Polyvinylidene Fluoride)** is an abrasion-resistant fluoropolymer suitable for use in applications requiring chemical resistance with low permeability. Altaflo 500 PVDF is the most abrasion and temperature-resistant of the PVDF products offered. Altaflo 500 provides excellent abrasion resistance and mechanical strength in use with many chemicals and solvents. With its extremely low extractable levels, Altaflo 500 is excellent for use in ultra-pure water systems. Altaflo 500 is suitable for use with conventional fittings but is not recommended for use with flare fittings.

#### Features

- 100% virgin grade Kynar® PVDF
- Excellent abrasion resistance
- Low permeability
- Good chemical resistance
- UV resistant
- FDA compliant

#### Applications

- Chemical process
- Semiconductor
- Water process systems
- Aquarium

#### Specifications

- **General:** Resins meet or exceed requirements listed in ASTM D 3222
- **Temperature:** -20°F to 250°F
- **Flammability:** UL 94-V0 rated Kynar® PVDF resists combustion and does not promote flame spread
- **FDA:** Kynar® PVDF is approved for use in food contact applications in compliance with FDA regulation 21 CFR 177.1500
- **NSF:** Resin used to produce Altaflo 500 Series PVDF Tubing is certified to NSF 61 and 372