

ALTAFL0 550 PVDF Flex // Tubing

Part Number	ID	OD	+/-	Wall	+/-
550-0125-030-XX	1/16	1/8	.004	0.030	.003
550-0188-030-XX	1/8	3/16	.004	0.030	.003
550-0250-030-XX	3/16	1/4	.004	0.030	.003
550-0313-030-XX	1/4	5/16	.005	0.030	.003
550-0375-030-XX	5/16	3/8	.005	0.030	.003
550-0250-040-XX	.170	1/4	.005	0.040	.003
550-0250-047-XX	5/32	1/4	.005	0.047	.003
550-0250-062-XX	1/8	1/4	.005	0.062	.003
550-0375-062-XX	1/4	3/8	.005	0.062	.003
550-0500-062-XX	3/8	1/2	.005	0.062	.003
550-0625-062-XX	1/2	5/8	.006	0.062	.003
550-0750-062-XX	5/8	3/4	.006	0.062	.003
550-1000-062-XX	7/8	1	.006	0.062	.003

Metric Sizes

550-0157-040-XX	2mm	4 mm	.005	1mm	.003
	0.079	0.157	.005	0.040	.003
550-0236-040-XX	4mm	6 mm	.005	1mm	.003
	0.157	0.236	.005	0.040	.003
550-0315-040-XX	6mm	8 mm	.005	1mm	.003
	0.236	.315	.005	0.040	.003
550-0394-040-XX	8mm	10 mm	.005	1mm	.003
	.315	.394	.005	0.040	.003
550-0472-040-XX	10mm	12 mm	.005	1mm	.003
	.394	0.472	.005	0.040	.003

Additional sizes available — please consult factory for details.
Stocked in natural color — please consult factory for details on available colors.



This ALTAFL0 550 PVDF Flex 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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ALTAFL0 550 PVDF Flex

PVDF FLEX (polyvinylidene fluoride — commonly known by the trade name KYNAR FLEX®) is a more flexible version of PVDF. ALTAFL0 550 Tubing is resistant to many commonly used industrial fluids and gases, including ozone, and does not support the growth of fungi. For this reason, ALTAFL0 550 tubing is preferred for water disinfecting processes involving ozone such as aquarium, spa, pool, and agriculture. Additionally, it is ideal for applications with exposure to less aggressive chemicals and lower temperature exposure (over FEP or PFA) or those requiring low extractable levels. ALTAFL0 550 is available in many standard sizes available to ship from stock. Custom sizes are available upon request.* ALTAFL0 550 tubing is compatible with most standard fittings (not suitable for use with flare fittings).

Features

- 100% virgin grade KYNAR FLEX® PVDF
- Chemically resistant to many industrial chemicals and solvents including acids, chlorinated chemicals, brominated chemicals, alcohols, and hydrocarbons.
- Low smoke and flame properties
- Resistant to bacteria and fungal growth
- Good abrasion resistance
- Low permeability
- Excellent creep resistance
- Excellent thermal stability
- Better flexibility (over ALTAFL0® 500)
- UV resistant
- Nuclear radiation resistant
- FDA compliant

Applications

- Metal preparation
- Food and beverage
- Petrochemical processing
- High purity semiconductor
- Water purification
- Chemical process
- Ultra-pure water process systems
- Pulp and paper
- Aquarium
- Pool and spa

Specifications

- **General:** Resin meets or exceeds requirements listed in ASTM D 3222
- **Temperature:** -20°F to 212°F
- **Flammability:** UL 94-V0 rated KYNAR FLEX® PVDF resists combustion and does not promote flame spread
- **FDA:** KYNAR FLEX® PVDF is approved for use in food contact applications in compliance with FDA regulation 21 CFR 177.2600
- **NSF:** Resin used to produce ALTAFL0 550 Series PVDF Tubing is certified to NSF 61 and 372