

ULTRA HIGH PURITY TUBING AND PIPE

Fluoropolymer Pipe

Fluoropolymer pipe has been added to AMETEK's family of fluoropolymer products. AMETEK offers Schedule 40 and 80 pipe in your choice of FEP, PFA, and UHP. These resins are an excellent choice for a wide range of high purity and corrosive chemicals covering temperature ranges from -100° to 400°F. All can be produced in standard straight lengths of 10 feet, or are available as custom lengths up to 20 feet. High purity pipe is capped and wrapped in plastic sleeves prior to shipment. All pipe is natural in color.



TYPICAL MATERIAL PROPERTIES

Properties	Units	FEP	PFA	UHP	PVDF
Melting Point	°C	260	305	305	173
Specific Gravity	-	2.14	2.15	2.15	1.78
Tensile Strength (break)	psi	4300	4000	4000	6500
Elongation (break)	%	350	300	300	5-10

Standard Pipe Sizes

Schedule #40

IPS	SIZE (in.)		WALL THICKNESS
	I.D.	O.D.	
1/8	0.269	0.405	0.068
1/4	0.364	0.540	0.088
3/8	0.493	0.675	0.091
1/2	0.622	0.840	0.109
3/4	0.824	1.050	0.113
1	1.049	1.315	0.133
1 1/4	1.380	1.660	0.140
1 1/2	1.610	1.900	0.145
2	2.067	2.375	0.154
2 1/2	2.469	2.875	0.203
3	3.068	3.500	0.216

Schedule #80

IPS	SIZE (in.)		WALL THICKNESS
	I.D.	O.D.	
1/8	0.215	0.405	0.095
1/4	0.302	0.540	0.119
3/8	0.423	0.675	0.126
1/2	0.546	0.840	0.147
3/4	0.742	1.050	0.154
1	0.957	1.315	0.179
1 1/4	1.278	1.660	0.191
1 1/2	1.500	1.900	0.200
2	1.939	2.375	0.218
2 1/2	2.323	2.875	0.276
3	2.900	3.500	0.300

Metric and custom sizes, as well as custom lengths can be accommodated. Laser etching identification can also be provided for traceability upon request.

Contact sales manager at lola.ramos@ametek.com or +1 302-382-1767.

AMETEK[®] FLUOROPOLYMER PRODUCTS

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Fluoropolymer resins are generally considered inert to most chemicals. Under certain conditions of pressure and temperature, or combinations of chemicals, fluoropolymer tubing should not be used. Please contact AMETEK for discussion of your specific process to be certain that our products are appropriate for your intended use.

Adequate ventilation should be used where fluoropolymers are heated. Flu-like symptoms may occur from exposure to vapors evolved from fluoropolymers at very high temperatures, up to 800°F or from smoking materials that contain particles of fluoropolymers. Symptoms pass within 48 hours and are the only adverse effects observed in humans to date. Unheated fluoropolymers are essentially inert and are nonirritating to the skin.

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