

ALTAFLOR 200 FEP // Tubing

Part Number	ID	OD	+/-	Wall	+/-
Industrial Wall					
200-0062-015-XX	1/32	1/16	.003	.015	.003
200-0125-030-XX	1/16	1/8	.004	.030	.003
200-0156-030-XX	3/32	5/32	.004	.030	.003
200-0188-030-XX	1/8	3/16	.004	.030	.003
200-0250-030-XX	3/16	1/4	.004	.030	.003
200-0313-030-XX	1/4	5/16	.005	.030	.003
200-0375-030-XX	5/16	3/8	.005	.030	.003
200-0438-030-XX	3/8	7/16	.005	.030	.003
200-0500-030-XX	7/16	1/2	.005	.030	.003
200-0562-030-XX†	1/2	9/16	.005	.030	.003
200-0625-030-XX†	9/16	5/8	.005	.030	.003
200-0688-030-XX†	5/8	11/16	.005	.030	.003
200-0750-030-XX†	11/16	3/4	.005	.030	.003
Heavy Wall					
200-0188-062-XX	1/16	3/16	.005	.062	.003
200-0250-062-XX	1/8	1/4	.005	.062	.003
200-0313-062-XX	3/16	5/16	.005	.062	.003
200-0375-062-XX	1/4	3/8	.005	.062	.003
200-0438-062-XX	5/16	7/16	.005	.062	.003
200-0500-062-XX	3/8	1/2	.005	.062	.003
200-0625-062-XX	1/2	5/8	.005	.062	.003
200-0750-062-XX	5/8	3/4	.005	.062	.003
200-0875-062-XX†	3/4	7/8	.005	.062	.003
200-1000-062-XX*	7/8	1	.005	.062	.003
200-1125-062-XX*	1	1-1/8	.006	.062	.003
200-1250-062-XX**	1-1/8	1-1/4	.006	.062	.003
200-1375-062-XX**	1-1/4	1-3/8	.008	.062	.003
200-1500-062-XX**†	1-3/8	1-1/2	.010	.062	.003
200-1625-062-XX**†	1-1/2	1-5/8	.012	.062	.003
200-1750-062-XX**	1-5/8	1-3/4	.015	.062	.003
200-2000-062-XX**†	1-7/8	2	.015	.062	.003
200-2125-062-XX**†	2	2-1/8	.015	.062	.003
Stock Custom Size					
200-0250-040-XX	.170	1/4	.004	.040	.003
200-0250-047-XX	.156	1/4	.004	.047	.003
200-0375-047-XX	.281	3/8	.005	.047	.003
200-1100-050-XX*	1	1.10	.010	.050	.003

*Straight length or reels

**Straight lengths only

† Custom item — please consult factory for lead time and minimum order requirements. Additional sizes up to 4" OD are available as custom extrusions — minimum order requirements may apply. Please contact Pexco for details.

ALTAFLOR 200 FEP

FEP (fluorinated ethylene propylene) is an economical choice for applications requiring chemical resistance in combination with broad temperature exposure. ALTAFLOR 200 FEP offers excellent clarity, which makes it ideal for sight glass/flow monitoring applications. Additionally, the outstanding UV transmission rate of FEP makes it a clear choice for UV water purification systems.

ALTAFLOR 200 Series FEP will not impart taste or odor. ALTAFLOR 200 tubing may be used with flare or conventional fittings.

Features

- 100% virgin grade high-performance resins used to resist stress cracking
- Chemically inert to most industrial chemicals and solvents
- High thermal stability
- Excellent UV transmission
- Low permeability
- Moisture absorption nearly zero
- FDA compliant for food contact
- Non-flammable
- Superior electrical insulation properties
- Available in smooth bore, convoluted and coiled hose constructions

Applications

- Chemical process
- Food processing
- Laboratory applications
- Electrical insulation
- UV water purification systems
- Automotive
- Groundwater monitoring
- Paint spray

Specifications

- **General:** Meets or exceeds the requirements listed in ASTM D 2116 Type IV
- **Temperature:** -100°F to 400°F
- **Flammability:** FEP resists combustion and does not promote flame spread
- **FDA:** ALTAFLOR 200 FEP is approved for use in food contact applications in compliance with FDA regulation: 21 CFR 177.1550
- **USP Class VI:** ALTAFLOR 200 FEP meets the requirements of USP Class VI
- **NSF:** ALTAFLOR 200 FEP tubing is certified to NSF 61 and NSF 372

Due to the nature of applications involving the use of fluoropolymers, we suggest that all customers test product within the conditions specific to their application prior to use.

ALTAFLU 200 // FEP Tubing

Part Number	ID	OD	+/-	Wall	+/-
Metric Sizes					
200-0157-040-XX	.079	.157	.005	0.040	.003
	2mm	4mm		1mm	
200-0197-040-XX†	.118	.197	.005	0.040	.003
	3mm	5mm		1mm	
200-0236-040-XX	.157	.236	.005	0.040	.003
	4mm	6mm		1mm	
200-0276-040-XX†	.197	.276	.005	0.040	.003
	5mm	7mm		1mm	
200-0315-040-XX	.236	.315	.005	0.040	.003
	6mm	8mm		1mm	
200-0354-040-XX†	.276	.354	.005	0.040	.003
	7mm	9mm		1mm	
200-0394-040-XX	.315	.394	.005	0.040	.003
	8mm	10mm		1mm	
200-0433-040-XX†	.354	.433	.005	0.040	.003
	9mm	11mm		1mm	
200-0472-040-XX	.394	.472	.005	0.040	.003
	10mm	12mm		1mm	
200-0512-040-XX†	.433	.512	.005	0.040	.003
	11mm	13mm		1mm	
200-0551-040-XX	.472	.551	.005	0.040	.003
	12mm	14mm		1mm	
200-0630-040-XX	.551	.630	.005	0.040	.003
	14mm	16mm		1mm	
200-0354-059-XX†	.236	.354	.005	0.059	.003
	6mm	9mm		1.5mm	
200-0472-059-XX†	.354	.472	.005	0.059	.003
	9mm	12mm		1.5mm	

*Straight length or reels

**Straight lengths only

† Custom item — please consult factory for lead time and minimum order requirements. Additional sizes up to 4" OD are available as custom extrusions — minimum order requirements may apply. Please contact sales@pexco.com for details. Stocked in natural color — please consult factory for details on available colors.

ALTAFLU 200 PFA // Bend Radius and Working Pressure Chart

Part Number	OD	Wall	ID	Bend Radius	Working Pressure @ 73°F
200-0125-030-XX	0.125	0.030	0.062	1/2"	445
200-0156-030-XX	0.156	0.030	0.094	1/2"	357
200-0188-030-XX	0.188	0.030	0.125	3/4"	296
200-0188-062-XX	0.188	0.062	0.062	1/2"	612
200-0250-030-XX	0.250	0.030	0.188	1"	223
200-0250-040-XX	0.250	0.040	0.170	1"	297
200-0250-047-XX	0.250	0.047	0.156	3/4"	349
200-0250-062-XX	0.250	0.062	0.125	1/2"	460
200-0313-030-XX	0.313	0.030	0.250	1-3/4"	178
200-0313-062-XX	0.313	0.062	0.188	1"	368
200-0375-030-XX	0.375	0.030	0.313	2-1/2"	148
200-0375-062-XX	0.375	0.062	0.250	1"	307
200-0438-030-XX	0.438	0.030	0.375	3-1/2"	127
200-0438-062-XX	0.438	0.062	0.313	2"	263
200-0500-030-XX	0.500	0.030	0.438	6"	111
200-0500-062-XX	0.500	0.062	0.375	2"	230
200-0625-030-XX	0.625	0.030	0.562	6-1/2"	89
200-0625-062-XX	0.625	0.062	0.500	3"	184
200-0750-030-XX	0.750	0.030	0.688	8"	74
200-0750-062-XX	0.750	0.062	0.625	6"	153
200-0875-062-XX	0.875	0.062	0.750	12"	132
200-1000-062-XX	1.000	0.062	0.875	22"	115
200-1125-062-XX	1.125	0.062	1.000	30"	75
200-1250-062-XX	1.250	0.062	1.125	N/A	70
Metric Sizes					
200-0157-040-XX	.157	0.040	.079	1-1/2"	464
	4 mm	1mm	2mm		
200-0197-040-XX†	.197	0.040	.118	1-3/4"	380
	5mm	1mm	3mm		
200-0236-040-XX	.236	0.040	.157	2-1/2"	312
	6mm	1mm	4mm		
200-0276-040-XX†	.276	0.040	.197	2-1/2"	274
	7mm	1mm	5mm		
200-0315-040-XX	.315	0.040	.236	2-3/4"	234
	8mm	1mm	6mm		
200-0354-040-XX†	.354	0.040	.276	2-3/4"	210
	9mm	1mm	7mm		
200-0394-040-XX	.394	0.040	.315	2-3/4"	187
	10mm	1mm	8mm		
200-0433-040-XX†	.433	0.040	.354	4"	170
	11mm	1mm	9mm		
200-0472-040-XX	.472	0.040	.394	4"	156
	12mm	1mm	10mm		
200-0512-040-XX†	.512	0.040	.433		
	13mm	1mm	11mm		
200-0551-040-XX	.551	0.040	.472		
	14mm	1mm	12mm		
200-0630-040-XX	.630	0.040	.551		
	16mm	1mm	14mm		
200-0354-059-XX†	.354	0.059	.236	1"	290
	9mm	1.5mm	6mm		
200-0472-059-XX†	.472	0.059	.354	2"	220
	12mm	1.5mm	9mm		

Due to the nature of applications involving the use of fluoropolymers, we suggest that all customers test product within the conditions specific to their application prior to use.

ALTAFL0 200 Series FEP // Physical Properties

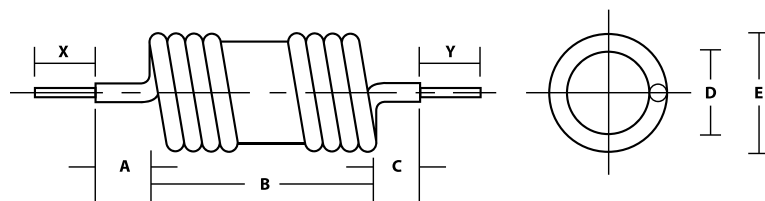
Physical Property	ASTM Test Method	Units	Values	NOTE: The values represented are based on the use of 100% virgin grade high performance — low melt flow FEP resin as used in the production of ALTAFL0 200 Series Tubing. When comparing data it is critical that performance values are listed for the grade of resin used.
Upper Service Temp.			400° F	
Specific Gravity	D 792		2.15	
Tensile Strength	D 1708	PSI	4,000	
Elongation	D 638	%	400	
Flex Modulus	D 790	PSI	90,000	
MIT Flex Life	D 2176		200,000	
Hardness	D 2240	Shore D	57-60	

ALTAFL0 200 FEP // Schedule 40 Pipe

Part Number	Normal Size	Actual OD	Wall	Bend Radius
200-0540-088-0C	1/4"	.540" ± .010	.088" +.020, -0	10 FT
200-0840-109-0C	1/2"	.840" ± .010	.109" +.020, -0	10 FT
200-1050-113-0C	3/4"	1.050" ± .010	.113" +.020, -0	10 FT
200-1315-133-0C	1"	1.315" ± .010	.133" +.020, -0	10 FT
200-1660-140-0C*	1-1/4"	1.660" ± .015	.140" +.020, -0	10 FT
200-1900-145-0C*	1-1/2"	1.900" ± .015	.145" +.020, -0	10 FT
200-2375-154-0C*	2"	2.374" ± .015	.154" +.020, -0	10 FT

*Custom item — please consult factory for lead time and minimum order requirements. Additional sizes and Schedule 80 Pipe available upon request.

ALTAFL0 200 FEP // Coiled Hose



*Custom item — see Coiled Hose Order Form for ordering information. Please consult the factory for additional details.

ALTAFL0 200 FEP // Standard Convuluted Construction

Part Number	Nominal OD Size	ID Min	ID Max	OD Max	Nominal Wall	Convolutions Per Inch
200-0375-020-XX*	3/8"	0.251	0.275	0.375	0.020	6
200-0500-023-XX*	1/2"	0.364	0.375	0.500	0.023	6
200-0625-025-XX*	5/8"	0.485	0.500	0.625	0.025	5.5
200-0750-025-XX*	3/4"	0.608	0.625	0.750	0.025	5
200-0875-025-XX*	7/8"	0.730	0.750	0.875	0.025	4
200-1000-025-XX*	1"	0.860	0.875	1.000	0.025	3.5

*Custom item — please consult factory for lead time and minimum order requirements.

ALTAFL0 200 FEP // Ultra Flex Convuluted Construction

Part Number	Nominal OD Size	ID Min	ID Max	OD Max	Nominal Wall	Convolutions Per Inch
20U-0375-020-XX	3/8"	0.251	0.275	0.375	0.020	9
20U-0500-023-XX	1/2"	0.364	0.375	0.500	0.023	9
20U-0625-025-XX	5/8"	0.485	0.500	0.625	0.025	9
20U-0750-025-XX	3/4"	0.608	0.625	0.750	0.025	8
20U-1000-025-XX	1	0.860	0.875	1.000	0.025	8

*Custom item — please consult factory for lead time and minimum order requirements.



This ALTAFL0 200 FEP has been tested and certified by WQA against NSF/ANSI 61 and NSF/ANSI 372 for lead free compliance.

Testing to NSF 51 is no longer being done by our NSF certifying agent. 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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