

ALTAFLUOR® 200 FEP

FEP (fluorinated ethylene propylene) is an economical choice for applications requiring chemical resistance in combination with broad temperature exposure. ALTAFLUOR® 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. ALTAFLUOR® 200 Series FEP will not impart taste or odor. ALTAFLUOR® 200 tubing may be used with flare or conventional fittings.

ALTAFLUOR® 200 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
- Laboratory applications
- UV water purification systems
- Ground water monitoring
- Food processing
- Electrical Insulation
- Automotive
- Paint Spray

SPECIFICATIONS

General: Meets or exceeds the requirements listed in ASTM D 3296 and ASTM D 2116 Type IV

Temperature: -100°F to 400°F

Flammability: FEP resists combustion and does not promote flame spread

FDA: ALTAFLUOR® 200 FEP is approved for use in food contact applications in compliance with FDA regulation: 21 CFR 177.1550

USP CLASS VI: ALTAFLUOR® 200 FEP meets the requirements of USP Class VI

NSF: ALTAFLUOR® 200 FEP tubing is certified to NSF 51, NSF 61 and NSF 372



This ALTAFLUOR® 200 FEP has been tested and certified by WQA against NSF/ANSI 51, NSF/ANSI 61 to Commercial Hot (180° F/82° C), and NSF/ANSI 372 for lead free compliance.

ALTAFLUOR® 200 - FEP TUBING

PART NUMBER	ID	OD	+/-	WALL	+/-
Industrial Wall					
200-0062-015-XX	1/32	1/16	.003	0.015	.003
200-0125-030-XX	1/16	1/8	.004	0.030	.003
200-0156-030-XX	3/32	5/32	.004	0.030	.003
200-0188-030-XX	1/8	3/16	.004	0.030	.003
200-0250-030-XX	3/16	1/4	.004	0.030	.003
200-0313-030-XX	1/4	5/16	.005	0.030	.003
200-0375-030-XX	5/16	3/8	.005	0.030	.003
200-0438-030-XX	3/8	7/16	.005	0.030	.003
200-0500-030-XX	7/16	1/2	.005	0.030	.003
200-0562-030-XX†	1/2	9/16	.005	0.030	.003
200-0625-030-XX†	9/16	5/8	.005	0.030	.003
200-0688-030-XX†	5/8	11/16	.005	0.030	.003
200-0750-030-XX†	11/16	3/4	.005	0.030	.003
Heavy Wall					
200-0188-062-XX	1/16	3/16	.005	0.062	.003
200-0250-062-XX	1/8	1/4	.005	0.062	.003
200-0313-062-XX	3/16	5/16	.005	0.062	.003
200-0375-062-XX	1/4	3/8	.005	0.062	.003
200-0438-062-XX	5/16	7/16	.005	0.062	.003
200-0500-062-XX	3/8	1/2	.005	0.062	.003
200-0625-062-XX	1/2	5/8	.005	0.062	.003
200-0750-062-XX	5/8	3/4	.005	0.062	.003
200-0875-062-XX†	3/4	7/8	.005	0.062	.003
200-1000-062-XX*	7/8	1	.005	0.062	.003
200-1125-062-XX*	1	1-1/8	.006	0.062	.003
200-1250-062-XX**	1-1/8	1-1/4	.006	0.062	.003
200-1375-062-XX**	1-1/4	1-3/8	.008	0.062	.003
200-1500-062-XX**†	1-3/8	1-1/2	.010	0.062	.003
200-1625-062-XX**†	1-1/2	1-5/8	.012	0.062	.003
200-1750-062-XX**†	1-5/8	1-3/4	.015	0.062	.003
200-2000-062-XX**†	1-7/8	2	.015	0.062	.003
200-2125-062-XX**†	2	2-1/8	.015	0.062	.003
Stock Custom Size					
200-0250-040-XX	.170	1/4	.004	0.040	.003
200-0250-047-XX	.156	1/4	.004	0.047	.003
200-0375-047-XX	.281	3/8	.005	0.047	.003
200-1100-050-XX*	1	1.10	.010	0.050	.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 Altaflo office for details. Stocked in natural color - please consult factory for details on available colors.



P: 973-300-3344

F: 973-300-3345

E: sales@altaflo.com

A: 23 Wilson Drive, Sparta, NJ 07871

ALTAFLUOR® is a registered trademark of Altaflo LLC

TEFLON™ is a brand of Chemours

NEOFLON® is a registered trademark of Daikin

KYNAR® and KYNAR FLEX® are registered trademarks of Arkema Inc.

ALTAFLUOR® 200 FEP

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.

ALTAFLUOR® 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 Altaflo office for details. Stocked in natural color - please consult factory for details on available colors.

ALTAFLUOR® 200 FEP - 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
	4mm	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		



P: 973-300-3344

F: 973-300-3345

E: sales@altaflo.com

A: 23 Wilson Drive, Sparta, NJ 07871

ALTAFLUOR® is a registered trademark of Altaflo LLC

TEFLON™ is a brand of Chemours

NEOFLON® is a registered trademark of Daikin

KYNAR® and KYNAR FLEX® are registered trademarks of Arkema Inc.

ALTAFLUOR® 200 FEP

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.

ALTAFLUOR® 200 SERIES FEP - PHYSICAL PROPERTIES

PHYSICAL PROPERTY	ASTM TEST METHOD	UNITS	VALUES
Upper Service Temp.			400° F
Specific Gravity	D 792		2.15
Tensile Strength	D 1708	PSI	4000
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

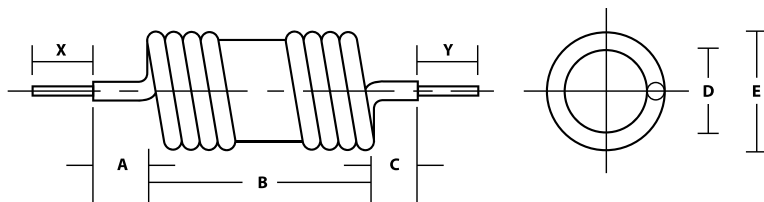
NOTE: The values represented are based on the use of 100% virgin grade high performance - low melt flow FEP resin as used in the production of ALTAFLUOR® 200 Series Tubing. When comparing data it is critical that performance values are listed for the grade of resin used.

ALTAFLUOR® 200 FEP - SCHEDULE 40 PIPE

PART NUMBER	NOMINAL SIZE	ACTUAL OD	WALL	STOCK LENGTH
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.

ALTAFLUOR® 200 FEP - COILED HOSE



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

ALTAFLUOR® 200 FEP - STANDARD CONVOLUTED CONSTRUCTION

PART NUMBER	NOMINAL OD SIZE	ID MIN	ID MAX	OD MAX	NOMINAL WALL	CONVOLUTIONS PER INCH
20C-0375-020-XX*	3/8	0.251	0.275	0.375	0.020	6
20C-0500-023-XX*	1/2	0.364	0.375	0.500	0.023	6
20C-0625-025-XX*	5/8	0.485	0.500	0.625	0.025	5.5
20C-0750-025-XX*	3/4	0.608	0.625	0.750	0.025	5
20C-0875-025-XX*	7/8	0.730	0.750	0.875	0.025	4
20C-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. Please see ALTAFLUOR® 200 Ultra-Flex for stock items.

ALTAFLUOR® 200 FEP - ULTRA FLEX CONVOLUTED 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



P: 973-300-3344
 F: 973-300-3345
 E: sales@altaflo.com
 A: 23 Wilson Drive, Sparta, NJ 07871

ALTAFLUOR® is a registered trademark of Altaflo LLC
 TEFLON™ is a brand of Chemours
 NEOFLON® is a registered trademark of Daikin
 KYNAR® and KYNAR FLEX® are registered trademarks of Arkema Inc.