

ALTAFLOR 200 FEP // Tubing

| Part Number              | ID    | OD    | +/-  | Wall | +/-  |
|--------------------------|-------|-------|------|------|------|
| <b>Industrial Wall</b>   |       |       |      |      |      |
| 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 |
| <b>Heavy Wall</b>        |       |       |      |      |      |
| 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 |
| <b>Stock Custom Size</b> |       |       |      |      |      |
| 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.

### ALTAFLOR 200 // FEP Tubing

| Part Number         | ID   | OD   | +/-  | Wall  | +/-  |
|---------------------|------|------|------|-------|------|
| <b>Metric Sizes</b> |      |      |      |       |      |
| 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.

### ALTAFLOR 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                      |
| <b>Metric Sizes</b> |       |       |       |             |                         |
| 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.

### ALTAFLLO 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     | 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   |

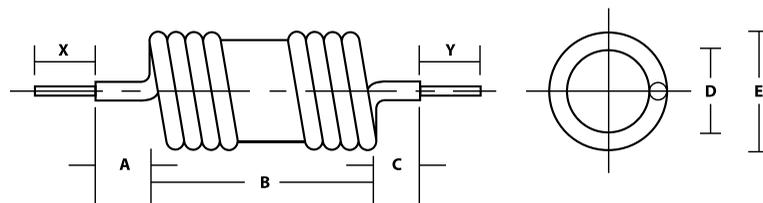
**NOTE:** The values represented are based on the use of 100% virgin grade high performance — low melt flow FEP resin as used in the production of ALTAFLLO 200 Series Tubing. When comparing data it is critical that performance values are listed for the grade of resin used.

### ALTAFLLO 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.

### ALTAFLLO 200 FEP // Coiled Hose



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

### ALTAFLLO 200 FEP // Standard Convoluted 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.

### ALTAFLLO 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                     |

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



This ALTAFLLO 200 FEP 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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