

ALTAFLUOR® 2E0 FEP ENVIRO

ALTAFLUOR® 2E0 ENVIRO SERIES FEP (fluorinated ethylene propylene), is designed specifically for use in environmental sampling applications. This cost effective choice is the preferred product for applications requiring the purity of FEP without exposure to aggressive chemical or other harsh conditions. ALTAFLUOR® 2E0 Series FEP does not impart taste, odor or other contaminants. For more critical application requirements, we suggest the use of ALTAFLUOR® 200 FEP or ALTAFLUOR® 400 PFA Tubing.

ALTAFLUOR® 2E0 FEATURES

- Excellent UV transmission
- Low permeability
- High thermal stability
- Excellent clarity
- Moisture absorption nearly zero
- Does not impart taste, odor or contaminants
- Non-flammable

APPLICATIONS

- Ground water monitoring
- Air sampling
- Laboratory applications
- Water process
- UV water purification systems

SPECIFICATIONS

General: FEP meets the requirements listed in ASTM D2116

Temperature: -100°F to 400°F

Flammability: FEP is non-combustible and does not promote flame spread

ALTAFLUOR® 2E0 FEP ENVIRO - ENVIRO TUBING

| PART NUMBER | ID | OD | +/- | WALL | +/- |
|-----------------|------|------|------|------|------|
| 2E0-0250-030-XX | 3/16 | 1/4 | .005 | .030 | .003 |
| 2E0-0313-030-XX | 1/4 | 5/16 | .005 | .030 | .003 |
| 2E0-0375-030-XX | 5/16 | 3/8 | .005 | .030 | .003 |
| 2E0-0500-030-XX | 7/16 | 1/2 | .005 | .030 | .003 |
| 2E0-0250-040-XX | .170 | 1/4 | .005 | .040 | .003 |
| 2E0-0375-062-XX | 1/4 | 3/8 | .005 | .062 | .003 |
| 2E0-0500-062-XX | 3/8 | 1/2 | .005 | .062 | .003 |

Additional sizes up to 4" OD are available as custom extrusions - minimum order requirements may apply. Please contact Altaflo office for details. This tubing is not recommended for aggressive chemical applications - please refer to ALTAFLUOR® 200 or ALTAFLUOR® 400.

ALTAFLUOR® 2E0 FEP ENVIRO - BEND RADIUS AND WORKING PRESSURE CHART

| PART NUMBER | OD | WALL | ID | BEND RADIUS | WORKING PRESSURE @ 73°F |
|-----------------|-------|-------|------|-------------|-------------------------|
| 2E0-0250-030-XX | 0.188 | 0.250 | .030 | 1" | 195 |
| 2E0-0313-030-XX | 0.250 | 0.313 | .030 | 1-3/4" | 156 |
| 2E0-0375-030-XX | 0.313 | 0.375 | .030 | 2-1/2" | 130 |
| 2E0-0500-030-XX | 0.438 | 0.500 | .030 | 6" | 97 |
| 2E0-0250-040-XX | 0.170 | 0.250 | .040 | 1" | 260 |
| 2E0-0375-062-XX | 0.250 | 0.375 | .062 | 1" | 269 |
| 2E0-0500-062-XX | 0.375 | 0.500 | .062 | 2" | 200 |

The above information is based on tests performed at 73° F and can vary in individual applications based on parameters such as temperature, chemical concentration, pressure, etc. Please consult factory for details. For an estimate on burst pressure at ambient temperature we consider a 3:1 ratio when exposure temperature is 73° F. However Altaflo does not recommend exceeding the suggested Working Pressure listed.

ALTAFLUOR® 2E0 FEP ENVIRO - PHYSICAL PROPERTIES

| PHYSICAL PROPERTY | ASTM TEST METHOD | UNITS | VALUES |
|-------------------------------|------------------|---------|-----------|
| Upper Service Temp. Long Term | | | 400° F |
| Specific Gravity | D 792 | | 2.12-2.17 |
| Tensile Strength | D 1708 | PSI | 3500 |
| Elongation | D 638 | % | 300-400 |
| Flex Modulus | D 790 | PSI | 90,000 |
| MIT Flex Life | D 2176 | | 5000 |
| Hardness | D 2240 | Shore D | 57-60 |



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