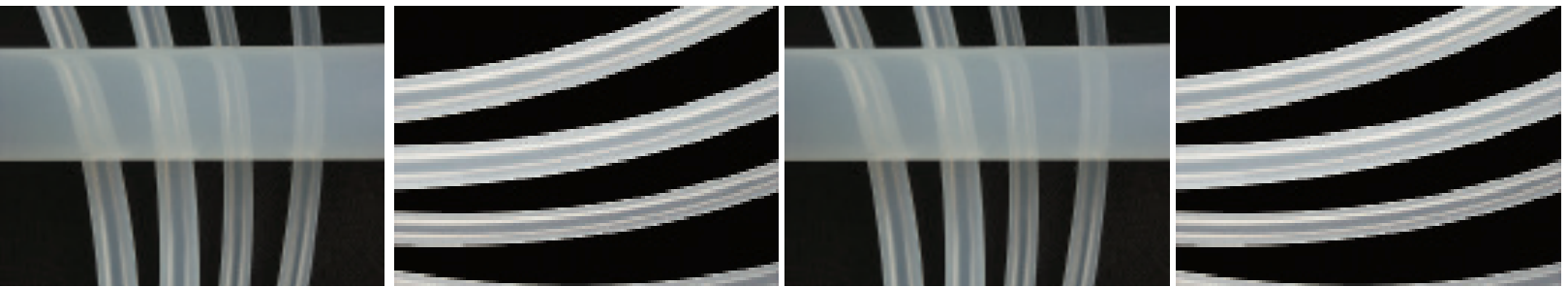




# Fluor-A-Pure™ FEP

Non Flammable  
Low Permeability  
Non-stick



**Fluor-A-Pure FEP** is preferred where the chemical and thermal resistance of **Teflon™** is required at a lower cost. It is made of 100% virgin-grade FEP (fluorinated ethylene propylene), which is resistant to a broad range of industrial solvents, bases and strong acids. The product has excellent optical clarity which makes it ideal for **sight gauge** and **flow applications**.

## Specifications

Meets or Exceeds ASTM D 3296-03  
Temperature: -100°F to 400°F  
Flammability: UL 94 VO Rated (Resists combustion and spread of flames)  
U.S. Pharmacopoeia Class VI Certification  
Cytotoxicity Criteria  
CFR Title 21 Section 177.1550  
Traceability: Lot and Batch  
Certification: Lot and Batch  
Current Good Manufacturing Practices (CGMP)  
Animal Derived Ingredient Free

**Please Request Fluor-A-Pure FEP Tubing By Name.**

Fluor-A-Pure™  
**Industrial Grade FEP**

TBL Plastics, LLC  
PO Box 634  
Andover, New Jersey 07821

Tel. 973.383.2834  
Fax 973.383.4161  
sales@tblplastics.com





# TBL

# Fluor-A-Pure™

# FEP

## Sizing Chart

Part Number	ID	OD	Wall	Bend Radius	Max WP @ 72°F
<b>Standad Wall Tubing</b>					
TBL_FEP-062X125	1/16"	1/8"	1/32"	1/2"	445 PSI
TBL_FEP-062X187	1/16"	3/16"	1/16"	1/2"	612 PSI
TBL_FEP-125X250	1/8"	1/4"	1/16"	1/2"	460 PSI
TBL_FEP-125X187	1/8"	3/16"	1/32"	3/4"	296 PSI
TBL_FEP-156X250	.156"	.250"	.047"	3/4"	349 PSI
TBL_FEP-170X250	.170"	.250"	.040"	1.00"	297 PSI
TBL_FEP-187X312	3/16"	5/16"	1/16"	1.00"	368 PSI
TBL_FEP-187X156	3/32"	5/32"	1/32'	Contact Factory	Contact Factory
TBL_FEP-187X250	3/16"	1/4"	.030"	1.00"	223 PSI
TBL_FEP-250X312	1/4"	5/16"	.030"	1-3/4"	178 PSI
TBL_FEP-250X375	1/4"	3/8"	1/16"	1.00"	307 PSI
TBL_FEP-312X375	5/16"	3/8"	.030"	2-1/2"	148 PSI
TBL_FEP-375X437	3/8"	7/16"	.030"	3-1/2"	127 PSI
TBL_FEP-375X500	3/8"	1/2"	.062"	2.00"	230 PSI
TBL_FEP-437X500	7/16"	1/2"	.030"	6.00'	111 PSI
TBL_FEP-562X625	9/16"	5/8"	.030"	6 1/2"	89 PSI
TBL_FEP-500X625	1/2"	5/8"	.062"	3.00"	184 PSI
TBL_FEP-625X750	5/8"	3/4"	1/16"	6.00"	153 PSI
TBL_FEP-687X750	11/16"	3/4"	.030"	8.00"	74 PSI
TBL_FEP-750X875	3/4"	7/8"	.062"	12.00'	132 PSI
TBL_FEP-875X750	7/8"	1"	.062"	22.00'	115 PSI
TBL_FEP-1000X1125	1"	1-1/8"	.062"	Contact Factory	75 PSI
TBL_FEP-1125X1250	1-1/8"	1-1/4"	1/16"	Contact Factory	70 PSI

Fluor-A-Pure™ (IND)  
Industrial Grade FEP

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ThermoplasticBiologic  
A RubberFab Technologies Affiliate  
[www.tblplastics.com](http://www.tblplastics.com)



# Fluor-A-Pure™ FEP

## FEP Metric Sizes

Part Number	ID	OD	Wall	Bend Radius	Max WP @ 72°F
TBL-FEP-1MMX3MM	1mm	3mm	1mm	Contact Factory	Contact Factory
TBL-FEP-2MMX4MM	2mm	4mm	1mm	1 1/2"	464 PSI
TBL-FEP-3MMX5MM	3mm	5mm	1mm	Contact Factory	Contact Factory
TBL-FEP-4MMX6MM	4mm	6mm	1mm	1-3/4"	309 PSI
TBL-FEP-5MMX7MM	5mm	7mm	1mm	Contact Factory	Contact Factory
TBL-FEP-6MMX8MM	6mm	8mm	1mm	2 -1/2'	232 PSI
TBL-FEP-6MMX9MM	6mm	9mm	1.5mm	Contact Factory	Contact Factory
TBL-FEP-7MMX9MM	7mm	9mm	1mm	Contact Factory	Contact Factory
TBL-FEP-8MMX10MM	8mm	10mm	1mm	2 -3/4"	186 PSI
TBL-FEP-9MMX11MM	9mm	11mm	1mm	Contact Factory	Contact Factory
TBL-FEP-10MMX12MM	10mm	12mm	1mm	4.00"	155
TBL-FEP-11MMX13MM	11mm	13mm	1mm	Contact Factory	Contact Factory
TBL-FEP-12MMX14MM	12mm	14mm	1mm	Contact Factory	Contact Factory

## Material Properties

Property	Test Method @ 73F	Unit	Value
Upper Service Temperature		°F (°C)	400 (204)
Specific Gravity	ASTM D792		2.15
Tensile Strength	ASTM D1708	psi (Mpa)	4,000 (27.5)
Elongation	ASTM D638	%	400
Flex Modulus	ASTM D790	psi (Mpa)	90,000 (620)
MIT Flex Life	ASTM D2176		200,000
Durometer Hardness	ASTM D2240	Shore D	57 - 60



# Fluor-A-Pure™ FEP

## Applications

- Chemical process
- Electrical Insulation
- Conduit
- Heat Exchangers
- Laboratory applications
- Pharmaceuticals
- Medical Devices
- Semiconductor
- Food Processing
- Automotive
- Aquatic
- UV Water purification systems
- Ground water monitoring
- Ground remediation

## Benefits

- Made from 100% virgin grade high-performance resins
- Chemically inert to most industrial chemicals and solvents
- Excellent UV transmission (optically clear)
- Low permeability
- High thermal stability
- FDA compliant for food contact
- Superior electrical insulation
- Suitable for use with flare or conventional compression fittings
- Non-flammable
- Non-stick
- Also available in coils hose, convoluted tubing, and heat-shrink constructions

## Packaging

- Per Customer's specifications
- Clean room packed
- Available pre-flared and pre-cut

## Sterilization

- DI Washed and Nitrogen Packed
- Ethylene Oxide
- Autoclave