

Kynar® PVDF & FEP

Specifications

Temperature Range
-40° F to +180° F

Vacuum Rating
To 28" Hg

Diameter Tolerance
±.005"

Hardness
65 Shore D

Tube Markings
None

Working Pressure
4:1 Safety Factor

Resin Compliance
FDA, USPVI
CFR 177.2600
UL 94 V0, NSF-51

Suggested Fittings
Push-In, Compression

Kynar® PVDF

Kynar® PVDF compound is an economical alternative to Teflon® (PTFE, PFA, and FEP) tubing for applications not requiring heat resistance. Kynar possesses excellent resistance to a wide range of chemicals. The high purity material is the ideal tubing for a variety of applications requiring an odorless and tasteless tube.

There are multiple grades of Kynar resins available. Some of these are used in rigid pipe applications. Freelin-Wade uses a flexible grade.

For more information about Kynar, refer to the Kynar Website: www.kynar.com
You can also refer to our Chemical Resistance Chart on page 38.

Features

Resists:

- Acids
 - Alcohols
 - Aliphatics
 - Aromatics
 - Mild Bases
 - Chloride
 - Halogen
 - Fungus
 - Out-gassing
 - Radiation
 - UV Light
- Sterilizable by Gamma Radiation or Ozone.
 - Resists fungal growth per MS 810B, Method 508 testing.

Kynar



Specifications

Temperature Range
-100° F to +400° F
-73° to 204° C

Vacuum Rating
To 28" Hg

Diameter Tolerance
±.005"

Hardness
57 Shore D

Tube Markings
None

Working Pressure
4:1 Safety Factor

Resin Compliance
FDA Food Contact
UL 94 V0, USP VI
ASTM D 3296-03

Suggested Fittings
Flare, Compression,
Push-In

Fluorinated Ethylene Propylene – FEP

Freelin-Wade's FEP tubing (compare to DuPont's® Teflon®) is one of the most durable and versatile flexible plastic tubes that you can buy. FEP, or fluorinated ethylene propylene, is an economical choice for applications requiring chemical resistance or exposure to a wide range of temperatures. Freelin-Wade's FEP is extremely flexible, making it an ideal choice for self-retracting coils. FEP is also available in a variety of packaged lengths.

Applications include chemical processing, laboratory applications, medical devices, water purification, food processing and automotive paint spray.

Features

- 100% virgin grade high performance resin designed to resist stress cracking
- Low permeability
- High thermal stability
- Non-flammable/Self-extinguishing
- Superior electrical insulation properties
- Chemically inert to most industrial chemicals and solvents



FEP
Coiling:
available
as a variation

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lbs./100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-681- ___ 100' Bag	100' Bag	1/8"	1/16"	.030"	10	300 PSI	125 PSI	0.71	3/16"	PI, C
1C-681- ___ 500' Reel	500' Reel									
1B-681- ___ 1000' Reel	1000' Reel									
1A-681- ___ 2500' Reel	2500' Reel									
1J-682- ___ 100' Bag	100' Bag	1/4"	.170"	.040"	10	165 PSI	70 PSI	2.03	3/4"	PI, C
1B-682- ___ 500' Reel	500' Reel									
1A-682- ___ 1000' Reel	1000' Reel									
1J-683- ___ 100' Bag	100' Bag	3/8"	1/4"	.062"	10 01	165 PSI	70 PSI	4.72	1-1/4"	PI, C
1A-683- ___ 500' Reel	500' Reel									
1J-684- ___ 100' Bag	100' Bag	1/2"	3/8"	.062"	10	130 PSI	55 PSI	6.61	2-1/8"	PI, C
1A-684- ___ 250' Reel	250' Reel									
1AA-684- ___ 500' Reel	500' Reel									

Metric Sizes

Part Number & Color Code	Packaging Unit Size	OD mm	ID mm	Wall mm	Standard Colors	Working Pressure		lbs./100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-692- ___ 100' Bag	100' Bag	6	4	1	10	195 PSI	115 PSI	1.88	15.9 mm	PI, C
1B-692- ___ 500' Reel	500' Reel									
1A-692- ___ 1000' Reel	1000' Reel									
1J-693- ___ 100' Bag	100' Bag	8	6	1	10	145 PSI	85 PSI	2.63	49 mm	PI, C
1A-693- ___ 500' Reel	500' Reel									
1J-695- ___ 100' Bag	100' Bag	12	10	1	10	90 PSI	55 PSI	4.07	98 mm	PI, C
1A-695- ___ 250' Reel	250' Reel									

Variations Available:

Coiling • Colors • Cutting • Printing • Packaging • Sizes

Fluorinated Ethylene Propylene - FEP

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lbs./100'	Bend Radius	Fitting
						75°F/25°C				
1J-900- ___ 100' Bag	100' Bag	1/8"	1/16"	.030"	10	300 PSI		0.9	1/2"	PI, C
1C-900- ___ 500' Reel	500' Reel									
1B-900- ___ 1000' Reel	1000' Reel									
1A-900- ___ 2500' Reel	2500' Reel									
1J-901- ___ 100' Bag	100' Bag	1/4"	3/16"	.030"	10	150 PSI		2.0	1"	PI, C
1B-901- ___ 500' Reel	500' Reel									
1A-901- ___ 3000' Reel	3000' Reel									
1J-902- ___ 100' Bag	100' Bag	1/4"	1/8"	.062"	10	300 PSI		3.4	1/2"	PI, C
1B-902- ___ 500' Reel	500' Reel									
1A-902- ___ 1000' Reel	1000' Reel									
1J-903- ___ 100' Bag	100' Bag	3/8"	1/4"	.062"	10	207 PSI		5.7	1"	PI, C
1A-903- ___ 1000' Reel	1000' Reel									
1J-904- ___ 100' Bag	100' Bag	1/2"	3/8"	.062"	10	155 PSI		8.0	2"	PI, C
1A-904- ___ 1000' Reel	1000' Reel									

Metric Sizes

Part Number & Color Code	Packaging Unit Size	OD mm	ID mm	Wall mm	Standard Colors	Working Pressure		lbs./100'	Bend Radius	Fitting
						75°F/25°C				
1J-941- ___ 100' Bag	100' Bag	4	2	1	10	450 PSI		1.4	1.5"	PI, C
1C-941- ___ 500' Reel	500' Reel									
1B-941- ___ 1000' Reel	1000' Reel									
1A-941- ___ 2500' Reel	2500' Reel									
1J-942- ___ 100' Bag	100' Bag	6	4	1	10	350 PSI		2.3	1.75"	PI, C
1B-942- ___ 500' Reel	500' Reel									
1A-942- ___ 2500' Reel	2500' Reel									
1J-943- ___ 100' Bag	100' Bag	8	6	1	10	250 PSI		3.2	2.5"	PI, C
1A-943- ___ 1500' Reel	1500' Reel									
1J-944- ___ 100' Bag	100' Bag	10	8	1	10	200 PSI		4.1	2.75"	PI, C
1A-944- ___ 1500' Reel	1500' Reel									

Variations Available:

Coiling • Cutting • Packaging • Jacketing