



FEP HEAT SHRINK TUBING

APPLICATIONS

- Process aid for reflowing catheter shafts
- Process aid for joint bonding
- Abrasion protection / strain relief

PROFILE

- Shrink ratio \leq 1.6:1
- Full recovery at 210°C (410°F) minimum
- Tight longitudinal change control as low as 0 to 4%
- Meets the requirements of the ISO 10993-5
- Custom sizing, finishing options available
- Translucent for high optical clarity

ABOUT

- FEP is a fluorinated ethylene propylene (FEP) heat shrink tubing. FEP offers excellent consistency, high dielectric strength and is chemically inert. FEP is lubricious and semi-rigid with shrink ratios up to 2:1*. FEP is the industry gold standard for reflowing catheter shafts and bonding joints
- For our FEP, we can control longitudinal growth as low as 0 to 4% ensuring consistency on lot-to-lot, reducing waste and cost

*Upper limit on select applications. Optimal shrink ratio is 1.6:1

HEAT SHRINK TUBING — FEP

TABLE 1: DIMENSIONS

Standard Sizes	As Supplied		Recovered							
	Inside Diameter (D) Minimum		Inside Diameter (d) Maximum		Wall Thickness (in., mm.) (W)					
	in.	mm.	in.	mm.	Minimum		Maximum		Nominal	
in.					mm.	in.	mm.	in.	mm.	
1/32	0.031	0.79	0.02	0.5	0.007	0.18	0.009	0.23	0.008	0.2
3/64	0.047	1.19	0.03	0.762	0.007	0.18	0.009	0.23	0.008	0.2
1/16	0.063	1.59	0.039	0.99	0.0085	0.22	0.0115	0.29	0.01	0.25
3/32	0.094	2.38	0.056	1.42	0.0085	0.22	0.0115	0.29	0.01	0.25
1/8	0.125	3.18	0.075	1.91	0.0085	0.22	0.0115	0.29	0.01	0.25
3/16	0.188	4.76	0.115	2.92	0.0085	0.22	0.0115	0.29	0.01	0.25
1/4	0.25	6.35	0.15	3.81	0.0105	0.27	0.0135	0.34	0.012	0.3
3/8	0.375	9.53	0.225	5.72	0.0135	0.34	0.0165	0.24	0.015	0.38
1/2	0.5	12.7	0.313	7.95	0.0135	0.47	0.0165	0.55	0.015	0.51

*Denotes lot acceptance test

Note 1: Sample preparation and extraction is per USP XXII. Metals analysis may be colorimetric as described in USP XXII or by equivalent quantitative analytical method.

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