

# FEP 1.6:1

Fractional Sizes



## OVERVIEW

Heat shrink tubing provides a state-of-the-art method for applying tight and protective encapsulation for a multitude of components. Zeus heat shrink products are provided in their expanded state. Then, with a brief application of heat, they mold snugly over intricate and irregular shapes to form a strong completely sealed covering.

FEP heat shrink tubing is available with shrink ratios of 1.3:1 and 1.6:1 and incorporates the same high standards and characteristics of our other FEP products. Shrinkage is accommodated by a variety of methods from performance heat guns to ovens (though ovens may provide the most uniform shrinkage results). Micro-miniature dimensions are available, and custom specifications and tolerances always can be quoted upon request.

Zeus heat shrink jacketing extends the life of covered parts as it protects in extremes of heat, moisture, corrosion, and shock. FEP heat shrink is a popular choice in many industries including aerospace, electrical, optical, and automotive. In the medical arena, for example, FEP heat shrink is the ideal manufacturing aid during the catheter jacket reflow process and is easily removed afterward.

With FEP, Zeus has you covered!



*FEP heat shrink is especially chosen for its lower shrink temperature compared to PTFE heat shrink.*



CHEMICAL RESISTANCE



BIOCOMPATIBLE



DIELECTRIC STRENGTH

### APPLICATIONS

- Encapsulation
- Insulation
- Wire harness
- Catheter manufacturing aid

### CAPABILITIES AND SIZING

- Available as fractional size 3/32" to 2" (0.09 - 50.80 mm)
- Custom sizes available upon request

### KEY PROPERTIES

- Biocompatible
- Chemically resistant
- Excellent dielectric strength
- Flame resistant
- High optical clarity
- Sterilizable



# FEP 1.6:1 Ratio

Approximate Ratio of Expanded ID to Recovered ID - Fractional Sizes

## INFORMATION OF NOTE

FEP heat shrink is supplied in natural color, custom Pantone colors or Zeus standard colors are available upon request. Standard lengths are 4ft, cut pieces and continuous lengths are also available upon request.

This product complies with AMS 23053/11, free samples are available, contact us for details.

FEP HEAT SHRINK 1.6:1 FRACTIONAL SIZES (WITH METRIC EQUIVALENTS)										
Ordered as Fractional Size			Expanded Inside Diameter (ID) min.		Recovered Dimension After Shrinkage					
					ID max.		Wall Thickness			
		Nominal		Tolerance (±)						
in.	(dec. in.)	(mm)	in.	mm	in.	mm	in.	mm	in.	mm
3/32	0.094	2.38	0.094	2.38	0.056	1.422	0.008	0.203	0.003	0.076
1/8	0.125	3.18	0.125	3.18	0.075	1.905	0.010	0.254	0.003	0.076
3/16	0.188	4.76	0.188	4.76	0.115	2.921	0.010	0.254	0.003	0.076
1/4	0.250	6.35	0.250	6.35	0.150	3.810	0.010	0.254	0.003	0.076
3/8	0.375	9.53	0.375	9.53	0.225	5.715	0.012	0.305	0.003	0.076
1/2	0.500	12.70	0.500	12.70	0.300	7.620	0.015	0.381	0.004	0.102
3/4	0.750	19.05	0.750	19.05	0.450	11.430	0.020	0.508	0.004	0.102
1	1.000	25.40	1.000	25.40	0.600	15.240	0.025	0.635	0.005	0.127
1-1/2	1.500	38.10	1.500	38.10	0.900	22.860	0.030	0.762	0.005	0.127
2	2.000	50.80	2.000	50.80	1.200	30.480	0.030	0.762	0.005	0.127