

# FEP 1.6:1

Fractional Sizes

## Overview-

Zeus 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 tightly over intricate and irregular shapes to form a strong completely sealed covering.

FEP heat shrink tubing is available in 1.3:1, 1.6:1, and 2:1 shrink ratios and incorporates the high standards and characteristics for which our heat shrinks are known. 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 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, FEP heat shrink is the ideal manufacturing aid during the catheter jacket reflow where it is then removed afterward. Zeus FEP heat shrink is also an optically clear alternative to PTFE.



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

## APPLICATIONS

- Encapsulation
- Insulation
- Wire harness
- Catheter manufacturing aid

## CAPABILITIES AND SIZING

- Available as fractional size 3/32" to 2" (2.38 - 50.80 mm)
- Custom sizes available upon request

## KEY PROPERTIES

- Class VI approved resins available
- Chemical resistance
- Excellent dielectric strength
- High optical clarity
- Sterilizable
- Working temperature to 200 °C (392 °F)
- AS23053/11 product available upon request



CHEMICAL RESISTANCE



COEFFICIENT OF FRICTION



DIELECTRIC STRENGTH



# FEP 1.6:1 Ratio

FEP heat shrink is supplied in natural color. Custom colors are available upon request. Standard lengths are 4 ft; cut pieces and continuous lengths are also available upon request.

## 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.	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

