

FEP 2:1

Customized Heat Shrink

Overview-

Heat shrink tubing provides a highly adaptable method for applying tight and protective encapsulation for a multitude of components. 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.

Our FEP heat shrink tubing is available with shrink ratios of 1.3:1 1.6:1 and 2:1 incorporating our high standards throughout. Zeus FEP 2:1 heat shrink offers the broadest accommodation of uneven or angular shapes of any of our FEP heat shrinks and can be custom fit to meet your product needs. Shrinkage is accommodated by a variety of methods from performance heat guns to ovens (though ovens may provide the most uniform shrinkage results).

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 industries such as aerospace, electrical, fiber optics, and automotive. In the medical arena, FEP heat shrink is the ideal manufacturing aid during the catheter jacket reflow process and is easily removed afterward.



CHEMICAL RESISTANCE



COEFFICIENT OF FRICTION



DIELECTRIC STRENGTH



FEP heat shrink is especially preferred for its lower recovery temperature compared to PTFE.

APPLICATIONS

- Encapsulation
- Insulation
- Wire harness
- Catheter manufacturing aid

CAPABILITIES AND SIZING

- Available in Expanded ID sizes from 0.034" to 0.385" (0.863 to 9.78 mm)
- Wall thicknesses from 0.013" to 0.015" (0.330 to 0.381 mm)

KEY PROPERTIES

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



FEP 2:1 Ratio

FEP heat shrink is supplied in natural, custom, or Zeus standard colors, all available upon request. Standard lengths are 4 ft.; cut pieces and continuous lengths are also available. Free samples are available upon request. FEP 2:1 is not AMS 23053/11 qualified.

FEP HEAT SHRINK - TYPICAL SIZE RANGES

SHRINK RATIO	AS SUPPLIED INSIDE DIAMETER (ID) MIN.	RECOVERED ID MAX.	RECOVERED WALL THICKNESS	WALL THICKNESS TOLERANCE
2.0:1	0.034" – 0.500" (0.864 mm – 12.700 mm)	0.017" – 0.250" (0.432 mm – 6.350 mm)	0.013" – 0.018" (0.330 mm – 0.457 mm)	± 0.002" (± 0.051 mm)

