

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



BIOCOMPATIBLE



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 0.010" to 0.015" (0.254 to 0.381 mm)

KEY PROPERTIES

- Biocompatible
- Chemical resistance
- Excellent dielectric strength
- UL 94 V-0 flammability rated
- High optical clarity
- Sterilizable
- Working temperature to 200 °C (392 °F)



FEP 2:1 Ratio

FEP heat shrink is supplied in natural, custom Pantone, 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 2:1 SIZES (WITH METRIC EQUIVALENTS)

OPN	MATERIAL	EXPANDED ID		RECOVERED ID		Wall (thickness)				CUT LENGTH
						Nominal		Tolerance (+/-)		
		in.	mm	in.	mm	in.	mm	in.	mm	
234704	FEP HS 2:1	0.034	0.864	0.0170	0.432	0.010	0.254	0.0020	0.051	65" + 1" / -0"
247619	FEP HS 2:1	0.075	1.905	0.0375	0.953	0.013	0.330	0.0020	0.051	65" + 1" / -0"
247596	FEP HS 2:1	0.125	3.175	0.0630	1.600	0.013	0.330	0.0020	0.051	65" + 1" / -0"
234727	FEP HS 2:1	0.190	4.826	0.0950	2.413	0.013	0.330	0.0025	0.064	65" + 1" / -0"
234724	FEP HS 2:1	0.290	7.366	0.1450	3.683	0.013	0.330	0.0025	0.064	65" + 1" / -0"
234686	FEP HS 2:1	0.385	9.779	0.1925	4.890	0.013	0.330	0.0025	0.064	65" + 1" / -0"

