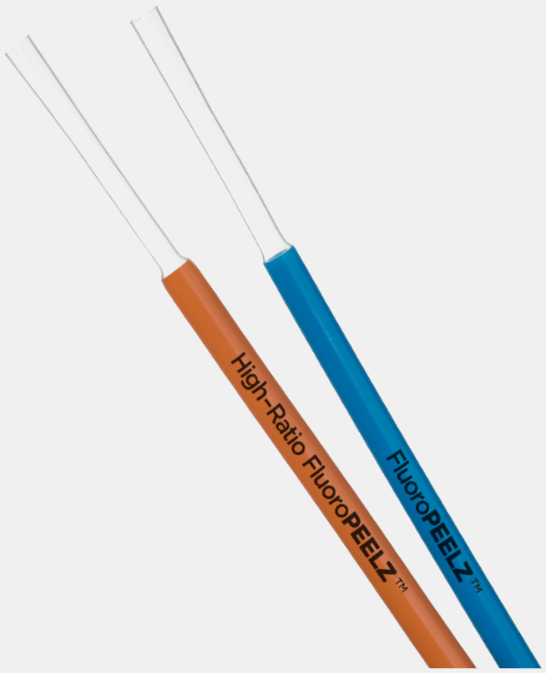
Heat Shrink Products

FluoroPEELZ™

Peelable Heat Shrink

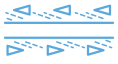


FluoroPEELZ™ brings simplicity to catheter construction saving both time and money.

Overview-

Catheter construction is a delicate process that leaves no room for error. The last step of removing the recovered heat shrink from over the outer catheter shaft is often the most critical and laborious. FluoroPEELZ™ brings simplicity to this complex process and makes the final step quicker, easier, and safer! With a simple linear tear, operators can quickly and evenly peel the heat shrink away from the recovered shaft. FluoroPEELZ™ excels in neurovascular and other critical small diameter catheter applications used over low durometer jackets such as Pebax® and nylons.

Medical device customers using FluoroPEELZ™ have reported reduced downstream processing, increased yields, and minimal waste. Furthermore, because we are a pioneer in clear peelable heat shrink, users can visually inspect catheter construction after the reflow process; this eliminates guesswork and speeds up production. FluoroPEELZ™ even improves safety as it eliminates the need for razor blades during the skiving process, supporting superior reflow and producing a catheter with a smooth surface finish that is free of imperfections. FluoroPEELZ™ is available with shrink ratios up to 2:1 and be used for catheter sizes as small as 2 F up to 34 F. FluoroPEELZ™ can also be manufactured in a non-heat shrink form for use in introducer and packaging applications.



COEFFICIENT OF FRICTION

BIOCOMPATIBLE

CHEMICAL RESISTANCE

APPLICATIONS

- Catheter lamination
- Balloon tacking
- Tube bonding
- Tube forming

CAPABILITIES AND SIZING

- Recovered IDs to 0.015” (0.38 mm) with smaller IDs possible
- Custom heat shrink with ratios up to 2:1
- Colors available
- Samples available upon request

KEY PROPERTIES

- Working temperature to 200 °C (392 °F)
- USP Class VI approved
- Smooth catheter surface finish
- Visual inspection after reflow
- Peelable
- Reduces downstream processing
- Promotes production safety
- Recovery temperature of 215 °C ± 10 C° (420 °F ± 18 F°)

ZEUS®

Americas: +1 803.268.9500 | **Europe:** +353 (0)74 9109700 | **Asia/Pacific:** +(86)20-38254906 | *zeusinc.com*

FluoroPEELZ™

FluoroPEELZ™ is comprised of 100% fluoropolymer. Parts without colorants or additives have been tested for biocompatibility in accordance with USP Class VI, ANSI/AAMI/ISO 10993-4, and ANSI/AAMI/ ISO 10993-5 guidelines. A letter of confirmation of compliance to these standards is available through your account manager.

Typical FluoroPEELZ™ size ranges are listed below. Contact us to discuss custom sizes, lengths, and shrink ratios. Zeus can pre-slit the ends for increased efficiency FluoroPEELZ™ peelable heat shrink is also available in black translucent for use with laser based recovery methods.

FLUOROPEELZ™ AVAILABLE SIZE RANGES (TYPICAL)

EXPANDED ID		RECOVERED ID		WALL THICKNESS		SHRINK RATIO
in.	mm	in.	mm	in.	mm	
0.017 to 0.287	0.431 to 7.290	0.013 to 0.217	0.330 to 5.512	0.007 to 0.012	0.178 to 0.305	1.3:1
0.015 to 0.292	0.381 to 7.417	0.020 to 0.208	0.508 to 5.283	0.007 to 0.012	0.178 to 0.305	1.4:1
0.020 to 0.300	0.508 to 7.62	0.013 to 0.200	0.330 to 5.08	0.008 to 0.012	0.203 to 0.305	1.5:1
0.025 to .0300	0.635 to 7.62	0.015 to 0.188	0.381 to 4.775	0.008 to 0.013	0.203 to 0.330	1.6:1
0.030 to 0.150	0.762 to 3.81	0.017 to 0.088	0.432 to 2.235	0.010 to 0.013	0.254 to 0.330	1.7:1
0.038 to 0.150	0.965 to 3.81	0.021 to 0.083	0.533 to 2.108	0.010 to 0.013	0.254 to 0.330	1.8:1
0.039 to .0150	0.991 to 3.81	0.021 to 0.079	0.533 to 2.007	0.010 to 0.013	0.254 to 0.330	1.9:1
0.030 to 0.150	0.762 to 3.81	0.015 to 0.075	0.381 to 1.905	0.010 to 0.013	0.254 to 0.330	2.0:1

Available in custom sizes with shrink ratios up to 2:1.

HEAT SHRINK PROPERTIES

WORKING TEMP.	SHRINK RATIOS	RECOVERY TEMP.*	SPECIAL FEATURES	APPLICATIONS
200 °C / 392 °F	Up to 2:1	215 °C / 420 °F ± 10 C° / 18 F°	• Peelable • Clear • USP Class VI	• Catheter manufacturing • Packaging • Manufacturing aids

**We recommend beginning the recovery process at 215 °C (420 °F). Anticipate adjusting this temperature in 10 C° (18 F°) increments, upward or downward, until desired recovery characteristics are achieved.*