

Junkosha Peelable Heat Shrink Tubing

Junkosha

Enabling Technology Innovators

Junkosha Peelable Heat Shrink Tubing

Product Introduction

Junkosha has focused on issues in the manufacturing process of catheters and guide wires. As the pioneer of sophisticated fluoropolymer application technologies across the medical device sector, we have developed the market leading peelable heat shrink tubing. In the industry of catheters and guide wires, we understand that simple and reliable methods help extremely fine processes remain unproblematic.

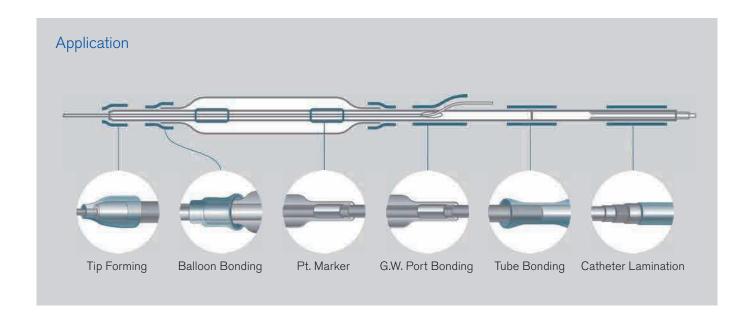
Junkosha Peelable Heat Shrink Tubing vs Other Traditional HST

Removing traditional FEP-heat shrink tubing (HST) smoothly has been a serious problem in catheter manufacturing for many years. FEP-HST is used to weld, laminate, tip and other processes. The only way to remove it from the catheter is by "skiving" it off, which not only takes significant time, there is also a possibility that the catheter can become damaged in the process. Both costly and time consuming, the market needed to find a viable solution to this unmet need.

With the challenge set, Junkosha designed a product called peelable heat shrink tubing. Offering all of the performance of standard heat shrink tubing, it included one critical difference: it is very easy to remove from the catheter. Junkosha Peelable Heat Shrink Tubing solution needs only a single slit at one end to get it started, enabling it to be easily peeled along its entire length. This solution reduces Total Cost of Ownership (TCO) for catheter manufacturers, by helping them to produce the final product more rapidly with improved yields and lower inspection levels while being more ergonomically safe. Overall, Junkosha Peelable Heat Shrink Tubing is the industry's first peelable FEP heat shrink tubing, and continues to be the industry benchmark of safety and performance.







Product Lineup

Material: Fluoropolymer

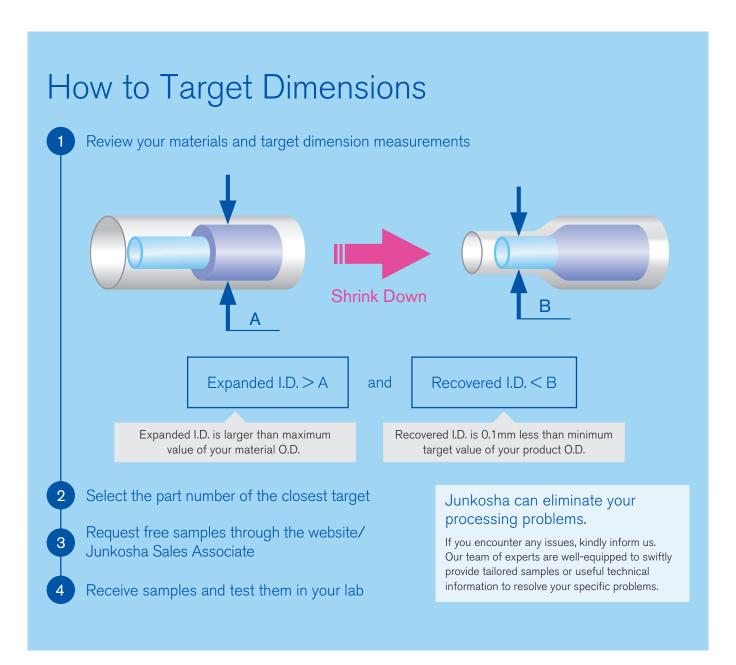
Recommended Temperature: 200°C / 392° F

NFPR	Standard	1.8:1 Shrink Ratio	Standard Le	ngth: 1700 mm	Color: Trans	lucent MOQ/SP	Q:100/100 [pcs]
Parts No.	Expanded I.D. Min.	Metric Full Recovered I.D. Max.	Full Recovered Wall Thickness	Expanded I.D. Min.	Imperial Full Recovered I.D. Max.	Full Recovered Wall Thickness	French Suitable for
NFPR006	0.72 mm	0.40 mm	0.25 +/- 0.05 mm	0.0283"	0.0157"	0.0098 +/- 0.0020"	1.3 -2.1 Fr
NFPR011	1.44 mm	0.80 mm	0.25 +/- 0.05 mm	0.0567"	0.0315"	0.0098 +/- 0.0020"	2.5 - 4.3 Fr
NFPR018	2.34 mm	1.30 mm	0.25 +/- 0.05 mm	0.0921"	0.0512"	0.0098 +/- 0.0020"	4.0 - 7.0 Fr
NFPR029	3.78 mm	2.10 mm	0.30 +/- 0.05 mm	0.1488"	0.0827'	0.0118 +/- 0.0020"	6.4 - 11.3 Fr
NFPM Parts No.	Ultra Small	1.6:1 Shrink Ratio	Standard Le	ngth: 1000 mm	Color: Trans	lucent MOQ/SP	PQ:100/100 [pcs]
raits No.	Expanded I.D. Min.	Full Recovered I.D. Max.	Full Recovered Wall Thickness	Expanded I.D. Min.	Full Recovered I.D. Max.	Full Recovered Wall Thickness	Suitable for
NFPM0030	0.38 mm	0.23 mm	0.20 +/- 0.05 mm	0.0150"	0.0091"	0.0079 +/- 0.0020"	1.0 Fr
NFPM0037	0.46 mm	0.28 mm	0.20 +/- 0.05 mm	0.0181"	0.0110"	0.0079 +/- 0.0020"	1.2 Fr
NFPM0042	0.51 mm	0.33 mm	0.20 +/- 0.05 mm	0.0201"	0.0130"	0.0079 +/- 0.0020"	1.4 Fr
NFPS	Standard	1.6:1 Shrink Ratio	Standard L	ength: 1700 mm	Color: Trans	ducent MOO/SE	O:100/100 [pcs]
Parts No.	Otandard	Metric	Standard Le	ingth. 1700 mm	Imperial	idcent Mod/Si	French
Tarts No.	Expanded I.D.	Full Recovered I.D.	Full Recovered Wall	Expanded I.D.	Full Recovered I.D.	Full Recovered Wall	Suitable for
	Min.	Max.	Thickness	Min.	Max.	Thickness	
NFPS005	0.64 mm	0.40 mm	0.20 +/- 0.05 mm	0.0252"	0.0157"	0.0079 +/- 0.0020"	1.5 Fr
NFPS007	0.80 mm	0.50 mm	0.20 +/- 0.05 mm	0.0315"	0.0197"	0.0079 +/- 0.0020"	2.0 Fr
NFPS008	0.96 mm	0.60 mm	0.20 +/- 0.05 mm	0.0378"	0.0236"	0.0079 +/- 0.0020"	2.5 Fr
NFPS009	1.12 mm	0.70 mm	0.20 +/- 0.05 mm	0.0441"	0.0276"	0.0079 +/- 0.0020"	3.0 Fr
NFPS010	1.28 mm	0.80 mm	0.20 +/- 0.05 mm	0.0504"	0.0315"	0.0079 +/- 0.0020"	3.5 Fr
NFPS012	1.44 mm	0.90 mm	0.20 +/- 0.05 mm	0.0567"	0.0354"	0.0079 +/- 0.0020"	4.0 Fr
NFPS013	1.60 mm	1.00 mm	0.20 +/- 0.05 mm	0.0630"	0.0394"	0.0079 +/- 0.0020"	4.5 Fr
NFPS017	2.08 mm	1.30 mm	0.20 +/- 0.05 mm	0.0819"	0.0512"	0.0079 +/- 0.0020"	5.0 Fr
NFPS021	2.56 mm	1.60 mm	0.275 +/- 0.05 mm	0.1008"	0.0630"	0.0108 +/- 0.0020"	6 - 8 Fr
NFPS028	3.36 mm	2.10 mm	0.275 +/- 0.05 mm	0.1323"	0.0827"	0.0108 +/- 0.0020"	8 - 11 Fr
NFPS	Large	1.6~1.4:1 Shrink F	Ratio Standard Le	ngth: 1000 mm	Color: Trans	lucent MOQ/	SPQ:50/50 [pcs]
NFPS Parts No.		Metric			Imperial		French
	Large Expanded I.D. Min.		Ratio Standard Le	ength: 1000 mm Expanded I.D. Min.		Full Recovered Wall Thickness	
	Expanded I.D.	Metric Full Recovered I.D.	Full Recovered Wall	Expanded I.D.	Imperial Full Recovered I.D.	Full Recovered Wall	French
Parts No.	Expanded I.D. Min.	Metric Full Recovered I.D. Max.	Full Recovered Wall Thickness	Expanded I.D. Min.	Imperial Full Recovered I.D. Max.	Full Recovered Wall Thickness	French Suitable for
Parts No. NFPS036	Expanded I.D. Min. 4.45 mm	Metric Full Recovered I.D. Max. 2.79 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm	Expanded I.D. Min. 0.1752"	Imperial Full Recovered I.D. Max. 0.1098"	Full Recovered Wall Thickness 0.0108 +/- 0.0020"	French Suitable for 11 - 12 Fr
NFPS036 NFPS038 NFPS052	Expanded I.D. Min. 4.45 mm 4.78 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs]
Parts No. NFPS036 NFPS038 NFPS052	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D.	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D.	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D.	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr
NFPS036 NFPS038 NFPS052 NFP	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min.	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max.	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min.	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max.	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for
NFPS036 NFPS038 NFPS052 NFP Parts No.	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le Full Recovered Wall Thickness 0.33 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" Jucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr
NFPS036 NFPS038 NFPS052 NFP Parts No.	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Let Full Recovered Wall Thickness 0.33 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.3500"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr
NFPS036 NFPS038 NFPS052 NFP Parts No.	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le Full Recovered Wall Thickness 0.33 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" Jucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.3500" 0.4000"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Let Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Let	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.3500" 0.4000" 0.4500"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr PO:100/100 [pcs] French
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Le Full Recovered Wall	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.3500" 0.4000" 0.4500"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" ducent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" ducent MOQ/SP	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D.	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D.	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Let Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Let	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.3500" 0.4000" 0.4500" ength: 1500 mm	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Full Recovered I.D.	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr PO:100/100 [pcs] French
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095 NFP Parts No.	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min.	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max.	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Le Full Recovered Wall Thickness	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4000" 0.4500" ength: 1500 mm Expanded I.D. Min. Expanded I.D. Min.	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max.	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" lucent MOQ/SF	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr O:100/100 [pcs] French Suitable for
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095 NFP Parts No.	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min. 0.71 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max. 0.50 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Le Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Le Full Recovered Wall Thickness 0.20 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4000" 0.4500" ength: 1500 mm Expanded I.D. Min. 0.0280"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max. 0.2000"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 1ucent MOQ/SF Full Recovered Wall Thickness 0.0079 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr PO:100/100 [pcs] French Suitable for 1.8 Fr
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP095 NFP Parts No.	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min. 0.71 mm 0.86 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max. 0.50 mm 0.60 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Let Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Let Full Recovered Wall Thickness 0.20 +/- 0.05 mm 0.20 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4500" 0.4500" ength: 1500 mm Expanded I.D. Min. 0.0280" 0.0339"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max. 0.0197" 0.0236"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 1ucent MOQ/SP Full Recovered Wall Thickness 0.0079 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr PO:100/100 [pcs] French Suitable for 1.8 Fr 2.2 Fr
NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP095 NFP Parts No. NFP006 NFP007 NFP006 NFP007 NFP008	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min. 0.71 mm 0.86 mm 1.00 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max. 0.50 mm 0.60 mm 0.70 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Leccovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Leccovered Wall Thickness Country to the second wall Thickness Country to the second wall Thickness 0.20 +/- 0.05 mm 0.20 +/- 0.05 mm 0.20 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4000" 0.4500" ength: 1500 mm Expanded I.D. Min. 0.0280" 0.0339" 0.0394"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max. 0.0197" 0.0236" 0.0276"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" lucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 1ucent MOQ/SP Full Recovered Wall Thickness 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr O:100/100 [pcs] French Suitable for 1.8 Fr 2.2 Fr 2.5 Fr
Parts No. NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095 NFP Parts No. NFP006 NFP007 NFP008 NFP010 NFP011	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min. 0.71 mm 0.86 mm 1.00 mm 1.14 mm 1.29 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max. 0.50 mm 0.60 mm 0.70 mm 0.80 mm 0.90 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Leccovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Leccovered Wall Thickness 0.20 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4500" 0.4500" ength: 1500 mm Expanded I.D. Min. 0.0280" 0.0339" 0.0394" 0.0449" 0.0508"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max. 0.0197" 0.0236" 0.0276" 0.0315"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" Ilucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr PO:100/100 [pcs] French Suitable for 1.8 Fr 2.2 Fr 2.5 Fr 3.0 Fr 3.5 Fr
Parts No. NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095 NFP Parts No.	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min. 0.71 mm 0.86 mm 1.00 mm 1.14 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max. 0.50 mm 0.60 mm 0.70 mm 0.80 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm 0.275 +/- 0.05 mm Standard Leccovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Leccovered Wall Thickness 0.20 +/- 0.05 mm 0.20 +/- 0.05 mm 0.20 +/- 0.05 mm 0.20 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4000" 0.4500" ength: 1500 mm Expanded I.D. Min. 0.0280" 0.0339" 0.0394" 0.0449"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max. 0.0197" 0.0236" 0.0276" 0.0315" 0.0354"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" Iducent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 1ucent MOQ/SP Full Recovered Wall Thickness 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr O:100/100 [pcs] French Suitable for 1.8 Fr 2.2 Fr 2.5 Fr 3.0 Fr
Parts No. NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095 NFP Parts No. NFP006 NFP007 NFP008 NFP010 NFP011 NFP013	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min. 0.71 mm 0.86 mm 1.00 mm 1.14 mm 1.29 mm 1.57 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max. 0.50 mm 0.60 mm 0.70 mm 0.80 mm 0.90 mm 1.10 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm Standard Lea Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Lea Full Recovered Wall Thickness 0.20 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4500" 0.4500" ength: 1500 mm Expanded I.D. Min. 0.0280" 0.0339" 0.0394" 0.0449" 0.0508" 0.0618"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max. 0.0197" 0.0236" 0.0276" 0.0315" 0.0433"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" Illucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr PO:100/100 [pcs] French Suitable for 1.8 Fr 2.2 Fr 2.5 Fr 3.0 Fr 3.5 Fr 4.0 Fr
Parts No. NFPS036 NFPS038 NFPS052 NFP Parts No. NFP064 NFP074 NFP085 NFP095 NFP Parts No. NFP006 NFP007 NFP008 NFP010 NFP011 NFP013 NFP017	Expanded I.D. Min. 4.45 mm 4.78 mm 6.05 mm Extra Large Expanded I.D. Min. 7.62 mm 8.89 mm 10.16 mm 11.43 mm Standard Expanded I.D. Min. 0.71 mm 0.86 mm 1.00 mm 1.14 mm 1.29 mm 1.57 mm 2.00 mm	Metric Full Recovered I.D. Max. 2.79 mm 2.92 mm 4.32 mm 1.5:1 Shrink Ratio Metric Full Recovered I.D. Max. 5.08 mm 5.93 mm 6.77 mm 7.62 mm 1.4:1 Shrink Ratio Metric Full Recovered I.D. Max. 0.50 mm 0.60 mm 0.70 mm 0.80 mm 0.90 mm 1.10 mm 1.40 mm	Full Recovered Wall Thickness 0.275 +/- 0.05 mm Standard Let Full Recovered Wall Thickness 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm 0.33 +/- 0.05 mm Standard Let Full Recovered Wall Thickness 0.20 +/- 0.05 mm 0.20 +/- 0.05 mm	Expanded I.D. Min. 0.1752" 0.1882" 0.2382" ength: 1500 mm Expanded I.D. Min. 0.3000" 0.4500" 0.4500" ength: 1500 mm Expanded I.D. Min. 0.0280" 0.0339" 0.0394" 0.0449" 0.0508" 0.0618" 0.0787"	Imperial Full Recovered I.D. Max. 0.1098" 0.1150" 0.1701" Color: Trans Imperial Full Recovered I.D. Max. 0.2000" 0.2335" 0.2665" 0.3000" Color: Trans Imperial Full Recovered I.D. Max. 0.0197" 0.0236" 0.0276" 0.0315" 0.0354" 0.0433" 0.0551"	Full Recovered Wall Thickness 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" 0.0108 +/- 0.0020" Ilucent MOQ/ Full Recovered Wall Thickness 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0130 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020" 0.0079 +/- 0.0020"	French Suitable for 11 - 12 Fr 13 - 15 Fr 15 - 17 Fr SPO:25/25 [pcs] French Suitable for 16 - 22 Fr 18 - 26 Fr 21 - 30 Fr 23 - 34 Fr PO:100/100 [pcs] French Suitable for 1.8 Fr 2.2 Fr 2.5 Fr 3.0 Fr 3.5 Fr 4.0 Fr 5.0 Fr

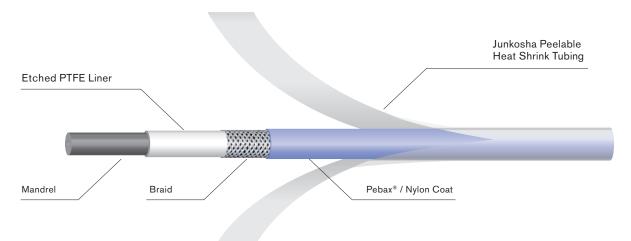
^{*}Junkosha is manufactured and inspected in mm and values in inch are for reference only. Measurements of each dimension are performed using metric based measuring instruments.

*The inch values are calculated from the actual measured values (metric values) using the following formula, with one digit below the displayed digit rounded to the nearest value (numbers 5 and above are rounded up, and numbers below 5 are rounded down). (Inch value) = (Metric value) + 25.4

*Peelable Heat Shrink Tubing meets the requirement of USP Plastic Class VI. Certificates available on request.



General Catheter Layers



*Pebax® is registered trademark of Arkema.

Are you experiencing any of the following problems with heat shrink tubing?

- Can you accurately control the blade with your hand while cutting HST to remove it?
- Are you able to cut any part of the wall thickness of HST without damaging the product?
- Can you consistently repeat this process?
- Is your removing tool sensitive to inconsistency of inner material dimensions?

Our innovative Junkosha Peelable Heat Shrink Tubing is an ideal solution for medical device manufacturers looking to improve the safety, speed and reliability of their processes.

Specification and Application

Application			GuideWire/Coils						Micro Catheter					Balloon Catheter								EP/Ablation Catheter										Guiding/Sheath						AAA/TA			AVI	
Catheter	inch	0.008	0.012	0.016	0.020	0.024	0.028	0.031	0.035	0.039	0.043	0.047	0.051	0.055	0.059	0.063	0.067	0.071	0.075	0.079	0.083	0.087	0.091	0.094	0.098	0.102	0.106	0.110	0.114	0.118	0.122	0.126	0.130	0.134	0.138	0.142	0 157	0.315		0.315	0.450	
O.D	mm	0.2	0.3	0.4	0.5	9.0	0.7	0.8	6.0	1.0	-:	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	<u> </u>	. ×		8.0	11.43	
	NFPR																				1.8	: 1																				
T 1	NFPM		1.	6 :	1																																					
Translucent	NFPS		1.6 : 1											1.4	: 1																											
	NFP					1.4 : 1													1.	5 : 1																						

Options



Shrink ratio up to 1.8:1 for custom translucent products, please contact your Junkosha Sales



Inspection Sampling Plan



Cut to length and slit available for small size or short length applications



For sample requests, please contact your Junkosha Sales Associate

Patent Information for Junkosha Peelable Heat Shrink Tubing

The family of Junkosha Peelable Heat Shrink Tubing products is protected by patents or patent applications listed below. The list is not all inclusive and Junkosha Peelabl Heat Shrink Tubing is covered by a global intellectual property network.

Jurisdiction	Patent Number / Patent Application Number												
China	ZL201280048315.2	ZL201510018848.1	ZL201610065436.8	CN202080026174									
Europe	EP2749802	EP3050696	EP3135313	EP20748499									
Japan	JP5518268	JP5839310	JP6990501	JP2020013370									
United States	US9446171	US9623154	US9464149	US9957384	US202017427189								

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