

# Pebax® Heat Shrink Tubing

## 2:1 Shrink Ratio



**Pebax Heat Shrink Tubing has the unique ability to create a thermal bond with an underlying polymer or metal.**

- **Highly flexible**
- **Thin walls**
- **Multiple durometers**
- **Durable**
- **Compatible with thermoplastic and metal substrates**
- **Maximum adhesion**
- **High shrink ratio**
- **Remains on device**
- **Excellent concentricity**
- **Conformal; tight fitting**
- **Low longitudinal shrinkage**
- **Superior OD surface finish**

### APPLICATIONS

- Jacket for laser-cut hypotube
- Coating for tapered guidewire
- Outer layer for catheter shaft
- Cover for coils and braids
- Wire insulation
- Strain relief
- Wire bundling

### CAPABILITIES

- Custom colors
- Precision cutting with tight tolerances
- Custom expansion of customer-supplied tubing
- In-house lamination of components

### PROPERTIES

Shrink Temperature	~ 340° F/171° C
Durometers (Shore D)	40, 55, 63, 70, 72, 74
Elongation at Break	300% (for 72D)
Tensile Strength at Break	7,500 psi
Dielectric Strength	>500 volts/mil
Tubing Certification	USP Class VI
Sterilization	Stable with gamma, e-beam, or EtO sterilization Test for autoclave or repeat use
Longitudinal Shrinkage	<10%

# Stock Tubing

2:1 Pebax tubing is supplied in: 60" (150 cm) lengths | Spools | Custom lengths

## 74 DUROMETER 2:1 PEBAX HEAT SHRINK TUBING

Expanded ID (min)	Recovered ID (max)	Recovered Wall Thickness*	Color	Product ID
0.030" (0.762 mm)	0.020" (0.50 mm)	0.002" (0.05 mm)	Clear	P2-030-002-74-CLR
0.060" (1.50 mm)	0.038" (0.96 mm)	0.003" (0.07 mm)	Clear	P2-060-003-74-CLR

## 72 DUROMETER 2:1 PEBAX HEAT SHRINK TUBING

0.014" (0.30 mm)	0.007" (0.18 mm)	0.002" (0.05 mm)	Clear	P2-014-002-CLR
0.018" (0.46 mm)	0.010" (0.25 mm)	0.005" (0.10 mm)	Black	CP2-018-005-BLK
0.022" (0.56 mm)	0.015" (0.38 mm)	0.002" (0.05 mm)	Clear	CP2-022-002-CLR
0.023" (0.58 mm)	0.015" (0.38 mm)	0.0035" (0.08 mm)	Black	P2-023-0035-BLK
0.038" (0.96 mm)	0.023" (0.55 mm)	0.002" (0.03 mm)	Clear	P2-038-002-CLR
0.036" (0.90 mm)	0.020" (0.50 mm)	0.004" (0.10 mm)	Clear	P2-040-004-CLR
0.036" (0.90 mm)	0.020" (0.50 mm)	0.004" (0.10 mm)	Black	P2-040-004-BLK
0.060" (1.50 mm)	0.035" (0.90 mm)	0.003" (0.07 mm)	Clear	P2-060-003-CLR
0.060" (1.50 mm)	0.035" (0.90 mm)	0.003" (0.07 mm)	White	CP2-060-003-WHT
0.060" (1.50 mm)	0.035" (0.90 mm)	0.010" (0.25 mm)	Clear	P2-060-010-CLR
0.065" (1.60 mm)	0.048" (1.20 mm)	0.0025" (0.06 mm)	Clear	P2-065-0025-CLR
0.089" (2.26 mm)	0.059" (1.49 mm)	0.0025" (0.06 mm)	Clear	P2-089-0025-CLR
0.100" (2.54 mm)	0.082" (2.08 mm)	0.0025" (0.06 mm)	Clear	P2-100-0025-CLR
0.130" (3.30 mm)	0.075" (1.90 mm)	0.006" (0.15 mm)	Clear	P2-140-006-CLR

## 70 DUROMETER 2:1 PEBAX HEAT SHRINK TUBING

0.065" (1.60 mm)	0.048" (1.20 mm)	0.002" (0.03 mm)	Clear	CP2-065-002-70-CLR
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## 55 DUROMETER 2:1 PEBAX HEAT SHRINK TUBING

0.023" (0.55 mm)	0.015" (0.38 mm)	0.004" (0.10 mm)	Blue	CP2-023-004-55-286C
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## 40 DUROMETER 2:1 PEBAX HEAT SHRINK TUBING

0.036" (0.90 mm)	0.020" (0.50 mm)	0.004" (0.10 mm)	Clear	P2-040-004-40-CLR
0.060" (1.50 mm)	0.035" (0.90 mm)	0.003" (0.07 mm)	Clear	P2-060-003-40-CLR
0.060" (1.50 mm)	0.035" (0.90 mm)	0.010" (0.25 mm)	Clear	P2-060-010-40-CLR
0.130" (3.30 mm)	0.075" (1.90 mm)	0.006" (0.15 mm)	Clear	P2-140-006-40-CLR
0.160" (4.06 mm)	0.135" (3.43 mm)	0.003" (0.07 mm)	Clear	CP2-160-003-40-CLR

\*Tubing wall as supplied will be thinner than recovered wall thickness.

# Custom Tubing

2:1 Pebax tubing is available in custom: Colors | Durometers | Expansion ratios | Cut lengths

### Don't see what you're looking for?

Check out our latest list of stock tubing at [www.cobaltpolymers.com](http://www.cobaltpolymers.com).

### Need tubing?

Request samples at <https://www.cobaltpolymers.com/order/pebax-polyolefin-samples>

Order small quantities at <https://chamfr.com/>

Request a quote at <https://www.cobaltpolymers.com/order/request-quote>

Have a question or want to discuss custom tubing to fit your engineering requirements?

Contact our Technical Team at [sales@cobaltpolymers.com](mailto:sales@cobaltpolymers.com) or (800) 337-0901.