



Pebax Heat Shrink Tubing

Cobalt Polymers offer the world’s only Pebax Heat Shrink Tubing.

- Exceptional compression and strength
- Bonds to regular Pebax Tubing
- Expansion ratios of 2:1 and 4:1
- Full range of Durometers and Colors available
- Thinnest Pebax tubing available anywhere
- Standard sizes for requirements between 0.007” (0.17 mm) and 0.280” (7.11 mm)

Palladium Heat Shrink offers industry leading properties of comprehensive strength, toughness, wall thickness, and flexibility. Its surface flow property provides excellent grip onto polymer or metal substrates.

Available Stock Sizes:

72 Durometer ‘2:1’ Shrink PALLADIUM™ Tubing

Expanded (min)	ID Recovered ID (max)	Wall Thickness (recovered)	Color	Product ID
0.014” (.36mm)	0.007” (0.17mm)	0.002” (0.050mm)	Clear	P2-014-002-CLR
0.036” (.91mm)	0.020” (0.50mm)	0.004” (0.100mm)	Black	P2-040-004-BLK
0.060” (1.5mm)	0.035” (0.89mm)	0.010” (0.250mm)	Clear	P2-060-010-CLR
0.060” (1.5mm)	0.035” (0.89mm)	0.003” (0.075mm)	Clear	P2-060-003-CLR
0.130” (3.3mm)	0.075” (1.90mm)	0.006” (0.150mm)	Clear	P2-140-006-CLR

40 Durometer ‘2:1’ Shrink PALLADIUM™ Tubing

Expanded (min)	ID Recovered ID (max)	Wall Thickness (recovered)	Color	Product ID
0.036” (.91mm)	0.020” (0.50mm)	0.004” (0.100mm)	Clear	P2-040-004-40-CLR
0.060” (1.5mm)	0.035” (0.89mm)	0.003” (0.075mm)	Clear	P2-060-003-40-CLR
0.060” (1.5mm)	0.035” (0.89mm)	0.010” (0.250mm)	Clear	P2-060-010-40-CLR
0.130” (3.3mm)	0.075” (1.90mm)	0.006” (0.150mm)	Clear	P2-140-006-40-CLR

72 Durometer ‘4:1’ Shrink PALLADIUM™ Tubing

Expanded (nominal)	ID Recovered ID (max)	Wall Thickness (supplied/recovered)	Color	Product ID
0.070” (2.0mm)	0.021” (0.50mm)	0.0006” / 0.004” (.100mm)	Black	P4-080-004-BLK
0.098” (2.5mm)	0.035” (0.89mm)	0.0015” / 0.010” (.250mm)	Clear	P4-120-010-CLR
0.120” (3mm)	0.035” (0.89mm)	0.0005” / 0.003” (.075mm)	Clear	P4-120-003-CLR
0.250” (6.35mm)	0.070” (1.78mm)	0.0008” / 0.006” (.150mm)	Clear	P4-280-006-CLR

Additional Products

We offer sizes, colors, durometers to fit your engineering requirements. Contact customer service at (800) 337-0901 or visit www.cobaltpolymers.com to order, get samples or for technical information

Elemental Solutions in Tubing™

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Typical Properties at 72 Durometer

Shrink Temperature:	340° F/171°C
Durometer (Shore D):	72 (other durometers are available)
Elongation at Break:	300%
Tensile Strength at Break:	7,500 PSI
Dielectric Strength:	>500 volts / mil
Tubing Certifications:	USP Class VI
Sterilization:	Gamma, E-Beam, ETO stable. Test for autoclave or repeat use

Attributes

Highly Flexible	Superior Surface Finish
Radiation Sterilization	Conformal, Tight Fitting
Low Longitudinal Shrinkage	High Compressive Fitting
USP Class VI	Tough, Durable Stable

Applications

PEBAX outer layer for catheter shaft	Bridge large transitions
Wire Insulation	Cover splices
Strain relief	Manufacturing Aid
Cover Coils and Braids	

R&D Package

6 pieces from stock \$85.00
Mix and match with our other tubing lines

Manufacturing Capabilities

Custom Sizes, Wall Thickness, Color and Resins
Precision Cut Lengths
Scoring and Slit Tubing
Custom Expansion of Customer-supplied Tubing
Continuous Re-Sizing (“necking”) of Thermoplastic Tubing

Cobalt Polymers manufactures precision polymer tubing for medical device and high technology applications with core strengths in Polymer Chemistry, Radiation Science and process Engineering.

Elemental Solutions in Tubing



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