

Medical Grade. Ultra Thin Wall. Polyolefin Heat Shrink Tubing.

Cobalt Polymers introduces the Iridium family of heat shrinkable tubing. Highly flexible tubing made from a Class VI polyolefin: thin, pliable and tough to address the dynamic requirements of device design and manufacturing.

- Standards sizes for requirements between 0.010" (0.25mm) and 0.360" (9.2 mm)
- Excellent engineering properties from a proven material
- Overlapping sizes and varying wall thickness provide options at most diameters
- Expansion ratios of 2:1 and 4:1: Custom sizes and ratios readily available.

Available Stock Sizes:
'2:1' Shrink IRIDIUM™ Tubing: Standard Sizes

Expanded (min)	ID Recovered ID (max)	Wall Thickness (recovered)	Color	Product ID
0.016" (0.4mm)	0.010" (0.25mm)	0.002" (.05mm)	Clear	U2-016-CLR
0.020" (0.5mm)	0.010" (0.25mm)	0.005" (0.1mm)	Clear	X2-025-CLR
0.034" (0.9mm)	0.020" (0.5mm)	0.005" (0.1mm)	Black	X2-034-BLK
0.034" (0.9mm)	0.020" (0.5mm)	0.005" (0.1mm)	Clear	X2-034-CLR
0.050" (1.3mm)	0.035" (0.9mm)	0.002" (.05mm)	Clear	U2-055-CLR
0.066" (1.7mm)	0.035" (0.9mm)	0.003" (.07mm)	Clear	U2-070-CLR
0.066" (1.7mm)	0.040" (1.0mm)	0.009" (.2mm)	Clear	X2-070-CLR
0.100" (2.5mm)	0.060" (1.5mm)	0.003" (.07mm)	Clear	U2-110-CLR
0.140" (3.8mm)	0.090" (2.3mm)	0.004" (.1mm)	Black	U2-170-BLK

Immediately Available: 60" straight lengths. Continuous lengths and cut pieces to order.

'4:1' Shrink IRIDIUM™ Tubing: Standard Sizes

Expanded (nominal)	ID Recovered ID (max)	Wall Thickness (supplied/ recovered)	Color	Product ID
0.040" (1mm)	0.010" (0.25mm)	0.0005"/0.002" (0.05mm)	Clear	U4-040-CLR
0.040" (1mm)	0.010" (0.25mm)	0.001" /0.005" (0.1mm)	Clear	X4-040-CLR
0.080" (2mm)	0.020" (0.5mm)	0.001" /0.005" (0.1mm)	Clear	X4-080-CLR
0.080" (2mm)	0.020" (0.5mm)	0.001" /0.005" (0.1mm)	Black	X4-080-BLK
0.140" (3.6mm)	0.035" (0.9mm)	0.001" /0.003" (0.07mm)	Clear	U4-140-CLR
0.140" (3.6mm)	0.035" (0.9mm)	0.002" /0.009" (0.2mm)	Clear	X4-140-CLR
0.240" (6.1mm)	0.060" (1.5mm)	0.001" /0.003" (0.07mm)	Clear	U4-240-CLR
0.360" (9.2mm)	0.090" (2.3mm)	0.001" /0.004" (0.1mm)	Black	U4-360-BLK

Please note the extremely thin walls of these 4:1 products as supplied. Please discuss your handling and usage needs with Customer Service. **Immediately Available:** 12" straight lengths.

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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(800) 337-0901

sales@cobaltpolymers.com
www.cobaltpolymers.com

Immediately Available

2:1 - 60" pieces. 4:1 - 12" pieces.

R&D Package

Any 6 pieces from stock for \$85.00.

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Tubing Properties*

Dielectric Strength	1,000 volts / mil
Flexural Modulus	135,000 psi
Recovery Temperature	220 F°
Tubing Certifications	Gamma, E-Beam, ETO stable Test for autoclave or repeat use.

Product Characteristics

High Compressive Strength	Excellent Cocentricity
Rapid Recovery	Thinnest Flexible Tubing Available
Controlled Longitudinal Shrinkage (<10%)	Good Moisture / Vapor Barrier

Typical Applications

Insulate	Encapsulate	Reinforce
Balloon Bond	Strain Relief	Thermoplastic Welding
Wire Insulation	Probe Coating	Cushion Metallic Surface

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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