



**SHRINKFLEX® 2:1 PVC**

**SHRINKS TO 1/2 ITS ORIGINAL DIAMETER · IDEAL FINISH FOR COSMETIC APPLICATIONS  
EXCELLENT OIL, MOISTURE, & FUNGUS RESISTANCE**

PVC tubing is a Polyvinyl Chloride heatshrink tubing that shrinks to 1/2 its original diameter. During the shrinking operation, the tubing will encapsulate any device inside of it at the time and will assume the contour of that device. Ultra clear PVC heatshrink tubing is ideal for application where complete transparency is required. Perfect for protecting exposed wires and cables on motorcycles and custom automobiles. Resists gasoline, oil, and common chemicals; provides protection from abrasion and severe environments.

**SIZING CHART**

Nominal Size	Part #	Unshrunk Diameter /mm	Shrunk Diameter /mm	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/16"	H2P0.06	1.6	0.8	100'	1,000'	2	0.20
1/4"	H2P0.25	6.4	3.2	25'	250'	2	0.60
5/16"	H2P0.31	8.0	4.0	25'	250'	2	0.70
3/8"	H2P0.38	9.5	4.8	25'	250'	2	0.80
1/2"	H2P0.50	12.7	6.4	25'	250'	2	1.10
5/8"	H2P0.63	15.9	7.9	25'	250'	2	1.16
3/4"	H2P0.75	19.1	9.5	25'	250'	2	1.90
1"	H2P1.00	25.4	12.7	25'	250'	2	3.00
1 1/2"	H2P1.50	38.1	19.1	25'	100'	2	5.30
2"	H2P2.00	50.8	25.4	25'	100'	2	8.02
2 1/2"	H2P2.50	63.5	31.8	25'	100'	2	9.45
3"	H2P3.00	76.2	38.1	25'	50'	2	18.00

\*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



**FEATURES**

Material	Polyvinyl Chloride
Grade	H2P
Monofilament Diameter	NA
Drawing Number	TF001H2PA-WD
Cutting	Scissors

**COLORS**



Black (BK), Clear (CL)

**CERTIFICATIONS**



## CHEMICAL RESISTANCE

Corrosion (ASTM DTL-23053)	No Corrosion
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## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	Self-Extinguishing VW-1
Recommended Cutting	Scissors
Colors	2
Tensile Strength (psi) (ASTM D-638)	3,000
Elongation (%) (ASTM D-638)	300
Specific Gravity (ASTM D-792)	1.32
Deformation (%) (250°F/121°C, 1 hr.) (MIL-DTL-23053)	50
Moisture Absorption (%) (ASTM D-570)	.5
Heat Shock (250°F/121°C, 1 hr.) (MIL-DTL-23053)	No Cracking
Cold Bend (14°F/-10°C, 1 hr.) (MIL-DTL-23053)	No Cracking
Flexibility (MIL-DTL-23053)	No Cracking
Secant Modulus (psi) (ASTM D-882)	19,500
Longitudinal Shrinkage (%)	15
Dielectric Strength (volt/mil) (ASTM D-876)	1,083
Volume Resistivity (ohm/cm) (ASTM D-876)	21.5 x 10 <sup>12</sup>

## FLAMMABILITY

Rating	Self-Extinguishing VW-1
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## OPERATING TEMPERATURES

Shrinks	212°F / 100°C
Maximum Continuous (Mil-I-23053)	221°F / 105°C
Minimum Continuous (Mil-I-23053)	-4°F / -20°C

## HOW-TO



Measure the Shrinkflex® tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 1½" - 2" long will accommodate almost any need. Single wires, or smaller bundles, require shorter pieces.



Slip the Shrinkflex® tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.



Gently apply heat to Shrinkflex® tubing from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.