

- Ultra thin wall
- Semi-rigid - Low shrink temp.
- U/L VW-1

# Layflat PVC Heat Shrink Tubing

Product Number IP3L

Layflat PVC Heat Shrink Tubing is a thin-wall, low cost material offering good electrical and mechanical characteristics. When exposed to heat in excess of 275°F for a few seconds, the specially formulated polyvinyl chloride material will shrink rapidly and uniformly conforming to the shape of the object to be covered.

Layflat PVC is available in diameters from .250" to 6" and larger. The standard wall thickness is .004" and .006" but is also available as thin as .0015" and as thick as .012" (for thicker walls use product #IP30HS). Standard colors are white, black and clear but can be special ordered in almost any color.

Applications include insulation and jacketing of batteries, capacitors and similar objects - a vast range of applications in the production of industrial equipment, toys, sporting goods, electronics, medical and consumer products.

A portable heat gun can be used for shrinking in most applications.



*Ultra thin wall for battery and pharmaceutical applications*

## Specifications:

Layflat is measured in millimeters flat width, in the range from 5mm up to 250mm and larger. Common sizes are shown below but many others are available.

<u>battery size</u>	<u>diameter</u>	<u>flat width</u>
3A	7/16"	17.5 to 19mm
2A	9/16"	23 to 24.5mm
N	1/2"	19 to 21.5mm
sub C	7/8"	36 to 40mm
C	1-1/8"	42 to 48mm
D	1-3/8"	56 to 60mm
9V	1-1/8"	56 to 60mm

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U/L file #E129478

**Electrical:** dielectric strength (.004) 2400 volts/mil

**Thermal:** operating temperature +100°C to -20°C  
cold brittleness 20°C  
heat shock 121°C, 1hr. on flowing,  
dripping or cracking  
high temperature resistance 200hrs at  
100°C

**Electrical:** 2400 volts/mil (.004" sample)

**Shrink Ratio:** up to 50%

**Standard Color:** black, white and clear (most any color available on special order)