

## Printasleeve L/F PVC

Printashrink L/F PVC is an ultra-thin wall, low cost heatshrinkable lay-flat PVC. It offers excellent electrical insulation, an ultra low shrink temperature and resists most chemicals and oils. It is available in a wide range of colours and sizes up to 150mm and can be [cut](#) and [printed](#) as required.

This ultra-thin wall PVC is often used for commercial and industrial labelling, tamper-proofing and in the construction of bottle seals, battery packs and capacitors. It is incredibly versatile and easily shrinks to fit irregular shapes. It is available as tubing or welded film, and can be supplied with UL and BS approvals. We offer our full range of printing and cutting and perforation services on this adaptable sleeve making it perfect for branding and marking requirements. Lay-flat PVC tubing is available in standard widths from 7mm up to 300mm, the welded film can be supplied to fit virtually any application.

### Technical Data

- **Shrink Ratio:** Traverse 45% +/-5, longitudinal 10%+/-5
- **Shrink Temperature** 100°C
- **Operating Temperature** -40°C – +105°C
- **Flame Retardant:** Yes
- **Colours:** Black, blue, red, yellow, white, green, violet, brown, clear, other colours available upon special request
- **Sizes:** 7-14mm ? 250-300mm
- **Packing:** Reels, cut to length, cut sleeves
- **Print:** Yes, full range of text and logos
- **Approvals:** UL 224 VW1 BS EN 60695-11-10, RoHS compliant
- **Applications / Industries:** General, Commercial, Electrical, Electronics, Industrial



Properties	Typical Values	Test Methods
General		
Operating Temperature	-40°C – +105°C	
Shrink temperature	100°C	
Shrink Ratio	Traverse 45% +/-5, longitudinal 10%+/-5	
Physical		
Tensile Strength	450kg/cm <sup>2</sup>	JIS 6723
Ultimate elongation	100%	JIS 6723
Specific gravity	1.2 – 1.3	ASTM D 1505
Water absorption	(and abstraction) within 0.5%	JIS C 8430
Thermal		
Low temperature flexibility (4hrs @ -55°C)	No cracking @ -15°C	JIS K 6723
Cycle temperature (300hr @ -40°C)	No cracking or splitting	
Life test (300 times @ 105°)	No cracking or splitting	
Electrical		
Volume resistivity	Pass	ASTM D 2671
Dielectric Voltage	20kV/mm min	JIS C 8430
Breakdown voltage	at 0.07mm thickness, 6000V, @ 0.1mm thickness 8000V, @ 0.15mm thickness 10000V	JIS C 8430
Chemical		
Fluid resistance	immersion in 10% NaCl, 30% H <sub>2</sub> SO <sub>4</sub> , 40% HNO <sub>3</sub> , 40% NaOH solutions, within +/- 0.5%	KM M 3406

Size (mm)	Supplied diameter (mm)	Nominal wall thickness (mm)
7-14	7-14 (layflat width)	0.05 – 0.10
15-24	15-24 (layflat width)	0.05 – 0.15
25-39	25-39 (layflat width)	0.05 – 0.30
40-54	40-54 (layflat width)	0.05 – 0.30
55-74	55-74 (layflat width)	0.05 – 0.30
75-91	75-91 (layflat width)	0.05 – 0.30
92-149	92-149 (layflat width)	0.05 – 0.30
150-199	150-199 (layflat width)	0.10 – 0.25
200-249	200-249 (layflat width)	0.10 – 0.20
250-300	250-300 (layflat width)	0.10 – 0.15

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us. E & OE

