

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 ² | 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 ₂ SO ₄ , 40% HNO ₃ , 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

