

Thin Wall Lay-flat Battery Packing PVC Tubing 2:1 Ratio



Thin wall, low cost material made of semi-rigid PVC that offers excellent electrical insulation and low shrink temp. It is most suitable for battery packing. PVLF is available in widths from 7 to 300 mm and is UL recognised up to 175mm Lay-flat.

- Operating Temperature Range -40°C to 105°C
- Shrink Temperature 100°C
- Excellent Shape Insulation
- Self Extinguishing
- UL & BS Approvals

Shrink Sleeve

The Worldwide Tubing Solution

Shrink Sleeve Limited is a leading company providing electrical and mechanical heat shrink tubes for a variety of industries and applications. Starting from products created by extensive developmental research. Shrink Sleeve Limited continues to respond to needs of customers and aims to become one of the most powerful heat shrink tube brands in the 21st Century.

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Technical Data

| Property | Test Method | Values |
|---------------------|--------------------|------------------------|
| Tensile Strength | JIS 6723 | 450 kg/cm ² |
| Ultimate Elongation | JIS 6723 | 100% |
| Specific Gravity | ASTM D 1505 | 1.20 ~ 1.30 |
| Cycle Temperature | (300hrs at - 40°C | No cracking |
| Life Test | ~ 105°C 300 times) | or splitting |
| Low Temperature | JIS K 6723 | No cracking |
| Impact | (-15°C) | |
| Volume Resitivity | ASTM D 2671 | Pass |
| Electric Strength | JIS C 8430 | 20KV/mm min. |
| Break | Thickness 0.07mm | 6,000 V |
| down | Thickness 0.10mm | 8,000 V |
| Voltage | Thickness 0.15mm | 10,000 V |
| | H2O absorbability | within 0.5% |
| | abstraction | within 0.5% |
| Immersion | 10% NaCl solution | within +/- 0.5% |
| Test | 30% H2SO4 solution | within +/- 0.5% |
| | 40% HNO3 solution | within +/- 0.5% |
| | 40% NaOH solution | within +/- 0.5% |

Specification References

| UNDERWRITERS LAB | BRITISH STANDARD | FLAME RETARDANT |
|---------------------|-------------------|-----------------|
| UL 224 VW1 | BS EN 60695-11-10 | |
| FILE No. E129478(S) | :1999 V-0 Grade | |

Dimensions

| CELL (TYPE) | DIA. mm | HEIGHT mm | Ref | | | | | | |
|-------------|---------|-----------|-----|------|-----|------|-----|-----|-----|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| AAA | 10.0 | 43.7 | 19 | 37 | 45 | 56 | 66 | 45 | 54 |
| N | 11.5 | 28.5 | 19 | 37 | 52 | 45 | 54 | 52 | 66 |
| 1/2 AA | 14.0 | 29.5 | 24 | 45 | 62 | 50 | 64 | 64 | 75 |
| AA | 13.8 | 49.5 | 24 | 45 | 62 | 66 | 83 | 64 | 75 |
| 5/4 AA | 13.8 | 64.5 | 24 | 45 | 62 | 83 | 100 | 64 | 75 |
| 2/3A | 16.5 | 27.8 | 29 | 52 | 72 | 50 | 64 | 72 | 92 |
| 4/5A | 16.5 | 42.0 | 29 | 52 | 72 | 64 | 79 | 72 | 92 |
| A | 16.3 | 48.5 | 29 | 52 | 72 | 72 | 83 | 72 | 92 |
| 5/4A | 16.5 | 66.0 | 29 | 52 | 72 | 92 | 105 | 72 | 92 |
| Sub C | 22.0 | 42.0 | 37 | 72.5 | 92 | 72.5 | 92 | 92 | 114 |
| C | 25.2 | 49.0 | 45 | 79 | 114 | 79 | 105 | 105 | 145 |
| D | 32.3 | 60.0 | 54 | 105 | 145 | 105 | 135 | 145 | 175 |

** This is cell guide only Recommended lay-flat sizes are approximate. Due to variations in cell sizes, users should test Shrink Sleeve's recommendations. Tube thickness should be specified depending on your application.

Colour : Black (BK), Red (RD), Yellow (YW), White (WT), Blue (BU), Green (GN), Violet (VL), Brown (BR), Clear (HC) (Other colours available to order).

Order : Product Width / Wall Grade Colour
PVLF ___ / ___ J ___
Ex. 83mm x 0.20mm Blue - PVLF830/20JBU