

# PVLF Shrink Sleeve Lay-flat PVC

## Thin wall Lay-flat Heat Shrink Sleeve PVC Tubing 2:1 Ratio



### FEATURES

- Made of PVC that offers excellent electrical insulation and low shrink temperature. It is rigid and resists most chemicals and oils. Lay-flat PVC is available in width from 3.5mm to 300mm
- Operating temperature range -40°C to 105°C
- Shrink temperature 100°C
- Excellent shape insulation
- Self extinguishing
- Available in 9 wall thicknesses
- UL Recognized Component from 3.5mm up to 175mm



### TECHNICAL DATA

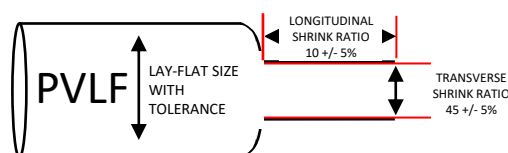
PROPERTY		TEST METHOD	VALUES
Mechanical	Gravity	ASTM D 792	1.2-1.3
	Tensile Strength	ASTM D 882	Above 200 kgf/mm <sup>2</sup>
	Elongation	ASTM D 882	Above 150%
	Tear Strength	ASTM D 1004	Above 2.0kgf
Thermal	Glass Transition Temp	DSC	65-75°C
	Flame Retardant	UL 224	VW1
Electrical	Dielectric Breakdown Voltage	KS C IEC 60684-2	Above 80KV/mm
	Insulation Resistance	KS C IEC 60684-2	Above 1.0 x 10 <sup>3</sup> M Ω
	Withstanding Voltage	KS C IEC 60684-2	Endured 1min at AC 1500V
	Volume Resistivity	ASTM D 257	Above 1.0 x 10 <sup>14</sup> Ω·m
	Surface Resistivity	ASTM D 257	Above 1.0 x 10 <sup>9</sup> Ω
Chemical	Water Absorption	JIS C 2133 (24hr immersion)	Less than 0.5%
	10% NaCl solution	Internal Method (24hr immersion)	±0.5%
	30% H <sub>2</sub> SO <sub>4</sub> solution		±0.5%
	40% HNO <sub>3</sub> solution		±0.5%
	40% NaOH solution		±0.5%
<b>TEST CONTROL</b>		<b>TEST METHOD</b>	<b>VALUES</b>
Constant Temp. 105°C		Internal	3000Hr
Constant Temp & Humidity 85°C x 85%RH		Internal	1000Hr

### SPECIFICATION REFERENCES

UNDERWRITERS LAB	FLAME RETARDANT	COMPLIANCE
UL 224 VW1 FILE NO. E540572 		

### DIMENSIONS\*

LAY-FLAT SIZE (mm)	LAY-FLAT SIZE TOLERANCE (mm)	ORDERING THICKNESS (mm)	TRANSVERSE SHRINK RATIO (%)	LONGITUDINAL SHRINK RATIO (%)
3.5 ~ 6.5	+0.3/-0	0.05 ~ 0.10	45±5	10±5
6.6 ~ 16.0	+0.5/-0	0.05 ~ 0.10	45±5	10±5
16.1 ~ 20.0	+0.6/-0	0.05 ~ 0.15	45±5	10±5
20.1 ~ 29.0	+0.8/-0	0.05 ~ 0.20	45±5	10±5
29.1 ~ 40.0	+1.0/-0	0.05 ~ 0.30	45±5	10±5
40.1 ~ 55.0	+1.3/-0	0.05 ~ 0.30	45±5	10±5
55.1 ~ 75.0	+1.5/-0	0.05 ~ 0.30	45±5	10±5
75.1 ~ 92.0	+2.0/-0	0.05 ~ 0.30	45±5	10±5
92.1 ~ 150.0	+3.0/-0	0.05 ~ 0.30	45±5	10±5
150.1 ~ 200.0	+4.0/-0	0.05 ~ 0.25	45±5	10±5
200.1 ~ 250.0	+6.0/-0	0.05 ~ 0.20	45±5	10±5
250.1 ~ 300.0	+8.0/-0	0.05 ~ 0.15	45±5	10±5



### ORDERING

Comes in a wide range of colours and is normally supplied in in reels and can be perforated or cut to length. Perforation can be horizontal or vertical.

### COLOURS:

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

### ORDER CODE:

Product **Width** / **Wall Grade** **Colour**

PVLF      /      J     

Example: 260mm x 0.15mm Black is PVLF2600/15JBK

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All information above is as accurate as possible but should be treated as a guide only. Shrink Sleeve Ltd shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of the product. It remains the responsibility of the user to determine suitability and test the product.