

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 & BS Approvals



TECHNICAL DATA

PROPERTY		TEST METHOD	VALUES
Mechanical	Gravity	ASTM D 792	1.2~1.3
	Tensile Strength	ASTM D 882	Above 200 kgf/mm ²
	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 ³ M Ω
	Withstanding Voltage	KS C IEC 60684-2	Endured 1min at AC 1500V
	Volume Resistivity	ASTM D 257	Above 1.0 x10 ¹⁴ Ω·m
	Surface Resistivity	ASTM D 257	Above 1.0 x 10 ⁹ Ω
Chemical	Water Absorption	JIS C 2133 (24hr immersion)	Less than 0.5%
	10% NaCl solution	Internal Method (24hr immersion)	±0.5%
	30% H2SO4 solution		±0.5%
	40% HNO3 solution		±0.5%
	40% NaOH solution		±0.5%
TEST CONTROL		TEST METHOD	VALUES
Constant Temp. 105°C		Internal	3000Hr
Constant Temp & Humidity 85°C x 85%RH		Internal	1000Hr

SPECIFICATION REFERENCES

UNDERWRITERS LAB	BRITISH STANDARD		FLAME RETARDANT
UL 224 VW1		BS EN 60695-11-10 :1999 V-O GRADE	 

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

