

## FEATURES




- A thin wall, eco-friendly material made of polyester that offers excellent electrical insulation. It is rigid which offers zero halogen and is toxic free
- Available in width from 7mm to 150mm and wall thickness from 0.07 to 0.20mm
- Operating temperature range -40°C to 125°C
- Shrink temperature 100°C
- RoHS compliant, TBT free, Halogen free
- Eco-friendly
- Zero Halogen



## TECHNICAL DATA

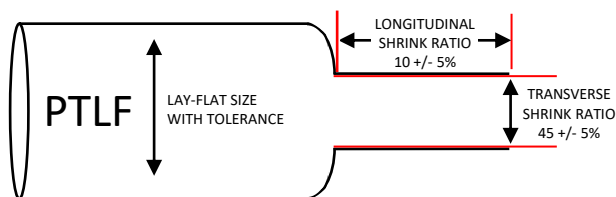
PROPERTY		TEST METHOD	VALUES
Mechanical	Tensile Strength	ASTM D 882	Above 200 kgf /mm <sup>2</sup>
	Elongation	ASTM D 882	Above 200%
	Gravity	ASTM D 792	1.3 ~ 1.4
	Tear Strength	ASTM D 1004	Above 2.0 kgf
Thermal	Glass Transition	DSC	75~80°C
	Melting Temp	DSC	230~245°C
	Flame Retardants	UL 94	
Electrical	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 1.0x10 <sup>14</sup>
	Surface Resistivity	ASTM D 257	Above 1.0x10 <sup>9</sup>
Chemical	Water Absorption	JIS C 2133 (24hr immersion)	Less than 0.5%
	10% NaCl	Internal Method (24hr immersion)	0.5%
	30% H <sub>2</sub> SO <sub>4</sub>	Internal Method (24hr immersion)	0.5%
	40% HNO <sub>3</sub>	Internal Method (24hr immersion)	0.5%
	40% NaOH	Internal Method (24hr immersion)	0.5%

## SPECIFICATION REFERENCES

RECYCLABLE	NON-FLAME RETARDANT	COMPLIANCE
		 

LAY-FLAT SIZE (mm)	LAY-FLAT SIZE TOLERANCE (mm)	ORDERING THICKNESS (mm)	TRANSVERSE SHRINK RATIO (%)	LONGITUDINAL SHRINK RATIO (%)
7 ~ 14	+0.8/-0	0.07 ~ 0.07	45±5	10±5
15 ~ 24	+1.0/-0	0.07 ~ 0.10	45±5	10±5
25 ~ 39	+1.3/-0	0.07 ~ 0.12	45±5	10±5
40 ~ 54	+1.5/-0	0.07 ~ 0.12	45±5	10±5
55 ~ 74	+2.0/-0	0.07 ~ 0.20	45±5	10±5
75 ~ 91	+3.0/-0	0.07 ~ 0.20	45±5	10±5
92 ~ 150	+4.0/-0	0.07 ~ 0.20	45±5	10±5

\*Guide for tolerances only



## 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**

PTLF \_\_\_\_ / \_\_\_\_ J \_\_\_\_

Example: 44mm x 0.10mm Clear is PTLF400/10JHC