

LonghuaPP-xx/WT 20/BK20 FILM

Description:

LonghuaPP-xx/WT 20/ BK20 are flame-retardant polypropylene films/sheets. Meet to ROHS directive free of PBCD contents and UL94 V-0 & VTM-0 listed. They are widely used in power supply, TV/monitors, business equipments and foil laminated for insulation and shielding purposes.

UL File Number: E254551

Grades	Color	Textures	Thicknesses(mm)	Widths(mm)
LonghuaPP-WT20	White	Matte/Velvet	0.125 ~ 0.25 (0.005" ~ 0.010")	610 (2')
LonghuaPP-WT17		Fine matte/Velvet	0.400 ~ 1.500 (0.016" ~ 0.060")	
LonghuaPP-BK20	Black	Matte/Velvet	0.125 ~ 0.250 (0.005" ~ 0.010")	
LonghuaPP-BK18		Fine matte/Velvet	0.400 ~ 1.500 (0.016" ~ 0.060")	

Package Details

1. Roll Package Details

Thicknesses (mm)	Weight Per Roll (kg)	Pounds (LB)	Area Per Pound (mm) W × L	Roll Length (m)	Area Per Pound (M ² /LB)
0.125 (0.005")	80	176	610×5961	1049	3.64
0.25 (0.010")	80	176	610×2984	524	1.82
0.43 (0.017")	80	176	610×1738	305	1.06
0.45 (0.018")	80	176	610×1655	291	1.01
0.76 (0.030")	80	176	610×967	172	0.59

2. Sheets Package Details

Size	Weight per piece		Pcs/pack	Pcs/Pallet
	kg	LB		
0.760mm×610mm×930mm (0.030"×2'×3')	0.43	0.95	30	900
0.760mm×610mm×1230mm (0.030"×2'×4')	0.57	1.26	30	900
1.00mm×610mm×930mm (0.040"×2'×3')	0.57	1.26	30	900
1.00mm×610mm×1230mm (0.040"×2'×4')	0.75	1.65	30	900

PROPERTIES	UNITS	LIMITS
Gauge Variation	mm	0.125 ~ 0.380mm ± 0.02mm 0.430 ~ 0.450mm +0.04mm/-0.03mm 0.760 ~ 1.000mm ± 0.05mm 1.5mm ± 0.1mm

Typical Property Values

PROPERTIES	Test Methods	Units	Values
PHYSICAL			
Specific Gravity	ASTM D792	g/cm ³	1.00
Water Absorption Equilibrium, 24 HRS	ASTM D570	%	0.06
MECHANICAL			
Tensile Strength	ASTM D882	psi	3,000
		MPa	>20
Elongation at break	ASTM D882	%	100
Tear Strength Propagation	GB/T529	KN/M	100
THERMAL			
Heat Deflection Temp	ASTM D648	°C	106
ELECTRICAL			
Dielectric Breakdown Volts	ASTM D149		
@5mils	ASTM D149	KV	11.0
@10mils	ASTM D149	KV	22.0
@17mils	ASTM D149	KV	25.0
@30mils	ASTM D149	KV	32.0
@40mils	ASTM D149	KV	38.0
RTI	Elec	UL746B	°C
	Imp		115
	Str		115
Dielectric Constant @ 1MHZ	ASTM D150	—	2.6
Dissipation Factor @ 1MHZ	ASTM D150	—	0.0009
Volume Resistivity @ 25°C, 50%RH	ASTM D257	Ohm-cm	10 ¹⁶
Surface Resistivity @ 25°C, 50%RH	ASTM D257	Ω/□	10 ¹⁵
FLAMMABILITY			
UL Flammability	UL BULLETIN 94		
@ ≥ 16 mils		UL94	V-0
@ < 16 mils		UL94	VTM-0

Environment-Protection Index	Longhua PP-WT20/17 Longhua PP-BK20/18
Hg	N.D (< 2ppm)
Cr(VI)	N.D (< 2ppm)
Cd	N.D (< 2ppm)
Pb	< 50ppm(Sony Recommend: < 100ppm)
PBB	N.D (< 5ppm)
PBDE	N.D (< 5ppm)

Note: The above figures are typical values obtained under standard methods and should not be construed as guaranteed data under unsteady application conditions. Although any information or recommendation contained herein is given in good faith, seller makes no warranty or guarantee, express or implied: 1) that the results described herein will be obtained under end-use conditions, or 2) as to the effectiveness or safety of any design incorporating seller's products, services or recommendations. Except as provided in seller's standard conditions of sale, seller shall not be responsible for any loss resulting from any use of its products or services described herein. Each user is responsible for making its own determination as to the suitability of seller's products, services or recommendations for the user's particular use through appropriate end-use testing and analysis.