

DINTEX® Waterproof & Breathable Film

DINTEX® is DING ZING registered mark for its high performance TPU film with excellent waterproof and breathable properties. With its hydrophilic structure, DINTEX® allows rapid evaporation and evacuation of sweat moisture. Even very thin monolithic film of 0.012-0.025mm can withstand water pressure well above 10,000mmH₂O. While moisture vapors remain high, DINTEX® also offers a unique combination of strength, elasticity and flexibility, made it suitable for numerous lamination applications. With the break through in latest laminating technology and TPU film performance, DINTEX® is finding increasing popularity in end uses that durability, waterproof, and moisture permeability are important criteria. The applications of DINTEX® TPU film include snow wear, apparel, gloves, hats and shoes. With the increasing concern over our global environment, DINTEX® with non-toxic (sterilized), recyclables, and decomposable features can certainly make it one of the most important “Green Materials” for the next generation.

Properties:

- * Low temperature resistance.
- * Structure of hydrophilic prevents clogged by sweat or detergents.
- * Compatible with water-based and solvent-based adhesives.
- * Self-decomposition within 3-5years.

**Properties	Thickness	Width	Color	M.V.T.	W.P.R.	PE Carrier	Specific Gravity	Elongation
Units	mm	inch		g/m ² x 24hrs	mm H ₂ O			%
High Breathability Film Series FT1880-PE~FT1081-PE Maximum width available:2500mm(100inches)								
FT1880-PE	0.015	60	Translucent	13000 / 4500	10000	Yes	1.20	450
FT1881-PE	0.020	60	White	12000 / 4000	10000	Yes	1.23	500
FT1880S-PE	0.015	60	Translucent Matte	12000 / 4500	10000	Yes	1.20	250
FT1881S-PE	0.020	60	White Matte	12000 / 4000	10000	Yes	1.23	300
FT1080-PE	0.020	60	Translucent	12000 / 4500	10000	Yes	1.20	550
FT1081-PE	0.025	60	White	12000 / 4000	10000	Yes	1.23	500

Medium Breathability Film Series FT1680S-PE~FT1068-PE Maximum width available:2500mm(100inches)								
FT1680S-PE	0.015	60	Translucent Matte	10000 / 3000	10000	Yes	1.20	350
FT1680-PE	0.015	60	Translucent	10000 / 3000	10000	Yes	1.20	480
FT1681S-PE	0.020	60	White Matte	10000 / 2500	10000	Yes	1.23	350
FT1681-PE	0.020	60	White	10000 / 3000	10000	Yes	1.23	400
FT1067-PE	0.020	60	Translucent	9000 / 2500	10000	Yes	1.20	500
FT1068-PE	0.025	60	White	9000 / 2300	10000	Yes	1.23	400

Low Breathability Film Series FS2090~FS2091SW Maximum width available:2500mm(100inches)								
FS2090	0.012	60	Translucent	500 / 1300	10000	No	1.20	400
FS2090	0.015	60	Translucent	450 / 1200	10000	No	1.20	400
FS2090GW	0.015	60	White	450 / 1300	10000	No	1.23	400
FS2091S	0.012	60	Translucent Matte	400 / 1500	10000	No	1.15	300
FS2091S	0.015	60	Translucent Matte	400 / 1400	10000	No	1.15	300
FS2091SW	0.015	60	White Matte	400 / 1300	10000	No	1.23	390

DINTEX Color Series DINTEX LW-PE~DINTEX 16V0-PE Maximum width available:2500mm(100inches)

DINTEX LW-PE	0.020	60	White Matte	9000 / 2900	Over 10000	Yes	1.28	296
DINTEX HC-PE	0.015	60	Gray Matte	11000/6200	10000	Yes	1.24	401
DINTEX BG-PE	0.020	60	Gray	9000 / 2200	Over 10000	Yes	1.25	344
DINTEX LB-PE	0.015	60	Dark Gray	9000 / 2300	Over 10000	Yes	1.27	391
DINTEX LG-PE	0.025	60	Light Gray Matte	12000/2900	Over 10000	Yes	1.22	494
DINTEX BL-PE	0.025	60	Sky Blue	9000/2300	Over 10000	Yes	1.35	334
DINTEX RD-PE	0.025	60	Red Matte	9800/2500	Over 10000	Yes	1.25	417
DINTEX HTW-PE	0.020	60	White Matte	11000 / 2900	Over 10000	Yes	1.24	386
DINTEX HT-PE	0.015	60	Translucent	12000 / 3100	Over 10000	Yes	1.20	487
DINTEX 16V0-PE	0.020	60	White Matte	9000 / 3000	10000	Yes	1.25	547

DINTEX Printing Series DINTEX LW 5-1~DINTEX LW 5-12 Maximum width available:2500mm(100inches)

DINTEX LW 5-1	0.020	60	Hardness 85ShoreA	10000/4100	Over 10000	No	1.28	300
DINTEX LW 5-2	0.020	60	Hardness 85ShoreA	10000/3500	Over 10000	No	1.28	412
DINTEX LW 5-3	0.020	60	Hardness 85ShoreA	10000/3900	Over 10000	No	1.28	325
DINTEX LW 5-6	0.020	60	Hardness 85ShoreA	10000/4100	Over 10000	No	1.28	376
DINTEX LW 5-7	0.020	60	Hardness 85ShoreA	10000/4000	Over 10000	No	1.28	351
DINTEX LW 5-8	0.020	60	Hardness 85ShoreA	10000/4700	Over 10000	No	1.28	347
DITNEX LW 5-9	0.020	60	Hardness 85ShoreA	10000/4500	Over 10000	No	1.28	
DINTEX LW 5-10	0.020	60	Hardness 85ShoreA	10000/4500	Over 10000	No	1.28	
DITNEX LW 5-11	0.020	60	Hardness 85ShoreA	10000/4500	Over 10000	No	1.28	
DINTEX LW 5-12	0.020	60	Hardness 85ShoreA	10000/4500	Over 10000	No	1.28	

※Breathability testing method: ASTM E96BW / JIS L 1099 A1 ; W.P.R testing method: JIS L1092

**Data provided are used solely for references only, and are not guaranteed statements.

Notes:

- * Being able to washed in washing machine in temperature below 60°C
- * Prior to the drying process in the oven, care must be taken to ensure the detergent is purged and the temperature remains low in the oven.
- * Any organic solvent for dry cleaning should be avoided at all costs.
- * Certain type of detergents will cause the reduction in physical properties of DINTEX®.
- * Can be ironed at low temperature and protective fabric should be placed on both sides of the oven.

