

PYLEN Film-OT is the biaxially stretched film whose main material is the polypropylene. Thanks to the superior features such as transparency, dampproofness, tearing resistance, and cold tolerance, it is used in wide ranges including food packaging as a general purpose plastic film.

## FUTURE

P2111 is an antistatic type and superior in adhesive properties and water base ink properties.  
It is superior in the adhesive properties of inks and adhesive agents, and it can improve the sealing strength.

## USE

Photogravure printing (general ink, water base ink) and lamination (dry lamination, PE extrusive lamination, non-solvent lamination, and PP lamination etc.)

### General physical property of PYLEN Film-OT P2111 type

Item		Unit	P2111		Measuring method
Thickness		μm	20	30	
Haze		%	2	2.0	JIS K7105
Surface resistivity	Involute	logΩ	11.5	11.5	JIS K6911
Tensile breaking strength	Length	Mpa	150	140	JIS K7127
	Width		350	350	
Tensile breaking elongation	Length	%	190	220	JIS K7127
	Width		45	45	
Tensile elasticity	Length	Mpa	2200	2100	JIS K7127
	Width		4500	4500	
Dynamic friction coefficient	Involute	-	0.25	0.25	JIS K7125
	Revolute		0.4	0.40	
Heat shrinkage rate (120 degrees C, 5mins)	Length	%	3.5	3.2	JIS K6782
	Width		1.2	1.0	

### Physical property of dry laminating film Structure: OPP(20)//P1128(20)...dry lamination

	P2111		General OPP	
	Solid part	Printing part	Solid part	Printing part
Lamination strength(N/15mm)	2.5	2	1.0 - 1.5	0.8 - 1.0
Sealing strength(N/15mm)	28	26	15 - 25	12 - 20

### Adhesion examples of each lamination Lamination strength of solid part (N/15 mm)

	P2111	General OPP
PE extrusive lamination	2.0	0.6 - 1.3
PP lamination	2.0	0.7 -1.5

### Printability by water base ink Structure: OPP(20)//P1128(20)...dry lamination

	P2111	General OPP
Printability by water base ink	Good	Uneven color development occurred on half-tone part
Lamination strength of printing part (N/15 mm)	2.4	0.8 - 1.2

On these data, the representative values were measured under the specialized condition (23 degrees C, 50%RH) at our company's film feature evaluation agency.

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