

HARDEN Film is the sequentially biaxially stretched film whose main material is nylon 6 (polyamide). In contrast with the general grade N1100, N1200 is the type that corona treatment is done on both sides.

FUTURE

- (1) Good toughness, pinhole resistance, cold tolerance, heat resistance
- (2) Possible to use as intermediary and do duplex printing

USE

General packaging (liquid type, wet foods, frozen foods, boiled foods, pasty foods, meat & seafood products), Heavy load bag etc.

General physical property of HARDEN Film N1200 type

Item		Unit	N1200		N1100	Measuring method
Thickness		μm	15	25	15	JIS K7112
Haze		%	1.3	1.6	1.3	JIS K7105
Static friction coefficient	B/B	-	0.6	0.45	0.6	JIS K7125
Dynamic friction coefficient	B/B		0.45	0.4	0.45	
Tensile breaking strength	Length	Mpa	206	210	206	JIS K7127
	Width		290	295	290	
Tensile breaking elongation	Length	%	105	105	105	JIS K7127
	Width		65	70	65	
Tensile elasticity	Length	Mpa	1470	1370	1470	JIS K7127
	Width		980	980	980	
Impact strength	23°C	J	1.2	2	1.2	Toyobo method
	0°C		0.8	0.9	0.8	
Heat shrinkage rate (160 degrees C, 10mins)	Length	%	1.0	0.9	1.0	JIS K6782
	Width		1.0	0.95	1.0	
WT (Wet tension)	Revolute	mN/m	44	44	38	Toyobo method
	Involute		43	43	53	

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.

Involute surface: corona processed surface Revolute surface: corona processed surface

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