

HARDEN Film is the sequentially biaxially stretched film whose main material is nylon 6 (polyamide).  
 HARDEN Film: NAP (brand) is the new developed nylon film which is superior in slipperiness and half-tone printing with applying special process to the surface and improving water resistant adhesive properties.

## FUTURE

- (1) Superior in dampproofness and gas barrier properties
- (2) Possible to do boiling process and little yellowing by heating process
- (3) Possible to do heat sealing

## USE

Contents which hate oxidation and moisture absorption in general packaging (liquid type, wet foods, boiled foods, pasty foods, meat & seafood products)  
 Light heat sealing packaging (Individual packaging, Tea bag)

### General physical property of PVDC coated HARDEN Film N8101 and N8102 types

Item		Unit	N8101AE	N8102AE	N8102	Measuring method
Thickness		μm	15	15	25	JIS K7112
Haze		%	3	4	2.5	JIS K7105
Moisture vapor permeability		g/m <sup>2</sup> d	9	6	6	JIS K7129
Oxygen transmissivity		mL/m <sup>2</sup> d MPa	90	60	60	JIS K7126
Heat sealing strength		N/15mm	2.8	3.0	3.0	Toyobo method
Static friction coefficient	Revolute/Revolute		0.5	0.5	0.4	JIS K7125
Dynamic friction coefficient	Revolute/Revolute		0.4	0.4	0.3	
Tensile breaking strength	Length	Mpa	216	216	230	JIS K7127
	Width		250	250	270	
Tensile breaking elongation	Length	%	80	80	105	JIS K7127
	Width		65	65	75	
Impact strength		J	11.0	1.0	1.7	Toyobo method

Adhesive agent: TM590/CAT56

<N747601>

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.

Surface B: Non-corona processed surface

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