

HARDEN Film N4142 is the sequentially biaxially stretched nylon film made by applying special process with based on N2100 whose pinhole resistance is improved and improving the water resistant adhesive properties.

FUTURE

- (1) Possible to decrease delamination troubles by boiling use etc. since the water resistant adhesive properties are strong
- (2) Effective for reducing pinhole accidents under harsh situations such as low temperature transportation since the pinhole resistance is good
- (3) Good processability in high speed since the slipperiness is good

USE

Liquid soup, Seasoning, Sterilized foods such as boiling

General physical property of HARDEN Film AR N4142

Item		Unit	N4142	N2100	Measuring method
Thickness		μm	15	15	JIS K7112
Haze		%	2.8	2.5	JIS K7105
Tensile breaking strength	Length	Mpa	216	216	JIS K7127
	Width		294	294	
Tensile breaking elongation	Length	%	100	100	JIS K7127
	Width		65	60	
Static friction coefficient	Revolute/Revolute		0.60	0.60	JIS K7125
Dynamic friction coefficient	Revolute/Revolute		0.50	0.50	
Heat shrinkage rate	Length	%	1.2	1.5	Toyobo method
	Width		2.5	3.2	

(Example of lamination features)

Lamination strength (unprocessed) Water soaking	N/15mm	4.0 over	4.0 over	Dry lamination NY//LL(40) Adhesive agent: Ester type 90° Separation
		2.0	1.0	
Lamination strength (after boiling) 90°C×30min Water soaking		4.0 over	4.0 over	
		1.8	0.5	

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.

Revolute: Non-corona processed surface

< N4142001 >

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