

HARDEN Film N5342 is the sequentially biaxially stretched nylon film made by applying special process with based on N1100 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) Suitable for the use as intermediator

USE

Use for both side sticking utilized for boiled or retort pouch etc.
structure: PET/Al/ONY/ CPP, PET/ONY/ CPP

General physical property of HARDEN Film N5342 type

Item		Unit	N5342	N1200	Measuring method
Thickness		μm	15	15	JIS K7112
Haze		%	2.0	1.3	JIS K7105
Tensile breaking strength	Length	Mpa	230	230	JIS K7127
	Width		290	307	
Tensile breaking elongation	Length	%	100	100	JIS K7127
	Width		70	60	
Heat shrinkage rate (160 degrees C, 30 mins)	Length	%	1.0	1.0	JIS K6782
	Width		1.0	1.0	
Heat shrinkage rate	Length	%	1.8	1.0	Toyobo method
	Width		3.6	1.0	

(Example of lamination features)

Dry lamination structure Example in the case of PET/Al foil/ONY/ CPP

		N5342 laminated	N1200 laminated	
Lamination strength (unprocessed) Water soaking	N/15mm	5.7	4.2	Dry lamination Al foil/ONY Adhesive agent: Ester type 90° Separation
		5.2	1.8	
Lamination strength (After retort process) 120°C×30min Water soaking		6.5	4.6	
5.6		1.9		

N5342: Easy adhesive surface, N1200: Corona processed surface

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

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