

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 | % | 110 | 110 | JIS K7127 |
| | Width | | 65 | 65 | |
| Static friction coefficient | Revolute/Revolute | | 0.6 | 0.60 | JIS K7125 |
| Dynamic friction coefficient | Revolute/Revolute | | 0.5 | 0.5 | |
| 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 over | 4 over | Dry lamination NY//LL(40) Adhesive agent: Ester type 90° Separation |
| | | 2 | 1 | |
| Lamination strength (after boiling) 90°C×30min Water soaking | | 4 over | 4 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 >

TOYOBO CO., LTD. Packaging Film
<http://www.toyobo.co.jp/seihin/film/>

2-8, Dojima hama 2-chome, Kita-ku, Osaka
 530-8230, JAPAN

[TEL]+81-6-6348-4156 [FAX]+91-6-6348-4159