

HARDEN Film is the sequentially biaxially stretched film whose main material is nylon 6 (polyamide). Toyobo HARDEN Film Sophie-N1152 is the grade whose slipperiness under highly humid situation is improved.

FUTURE

- (1) Good slipperiness under high humidity
- (2) Superior in packaging machinery aptitude in high speed
- (3) Possible to prevent feathering from occurring by peeling charge and frictional charge while printing

USE

- Use for filling under high humidity
- Use for filling in high speed

General physical property of HARDEN Film Sophie N1152 type

Item		Unit	N1152 HARDEN Sophie	N1100	Measuring method
Thickness		μm	15	15	
Haze		%	4.5	1.5	JIS K7105
Tensile breaking strength	Length	Mpa	216	230	JIS K7127
	Width		275	307	
Tensile breaking elongation	Length	%	100	100	JIS K7127
	Width		70	60	
Heat shrinkage rate (160 degrees C, 10 mins)	Length	%	0.9	1.0	JIS K6782
	Width		0.9	1.0	

(Slipperiness)

Static friction coefficient	B/B	23°C×50% RH	0.30	0.55	JIS K7125
Dynamic friction coefficient	B/B	23°C×50% RH	0.25	0.45	
		23°C×65% RH	0.30	0.82	
		23°C×80% RH	0.35	2.20	

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.

< N1150001 >

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