

HARDEN Film T type N2100 is the sequentially biaxially stretched film whose pinhole resistance is improved. As nylon films have flexibility and toughness in general, they are used for liquid food packaging and solid matter vacuum packaging many times. However, pinhole accidents may occur under harsh situations such as low temperature. N2100 is effective for preventing the occurrence of such accidents.

FUTURE

(1)Pinhole resistance is improved, toughness, cold tolerance, heat resistance

USE

Solid matter packaging (Rice cake, ice-cream etc.), Liquid food (soup etc.) packaging etc.

General physical property of HARDEN Film T type N2100

Item		Unit	N2100		N1100	Measuring method
Thickness		μm	15	25	15	JIS K7112
Haze		%	2.5	3.0	1.3	JIS K7105
Tensile breaking strength	Length	Mpa	216	216	230	JIS K7127
	Width		294	284	307	
Tensile breaking elongation	Length	%	100	105	100	JIS K7127
	Width		60	70	60	
Dynamic friction coefficient	Revolute/Revolute		0.50	0.40	0.45	JIS K7125
Heat shrinkage rate	Length	%	1.5	1.4	1.8	Toyobo method
	Width		3.2	2.6	3.6	

(Pinhole resistance)

Bending pinhole	unprocessed		0 ~ 1	0 ~ 1	3 ~ 5	Toyobo method 23°C 5000times
	After retort process		0 ~ 1	0 ~ 1	4 ~ 7	
Gelbo test (ONY//CPP(60))			2 ~ 3	—	5 ~ 7	Toyobo method 3°C 1000times

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.

Involute surface: corona processed surface

< N 210020 >

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