

HARDEN Film is the sequentially biaxially stretched film whose main material is nylon 6 (polyamide). N1102 is the general grade, and 15μm is standard, so there are the various grades of HARDEN Film with based on it.

FUTURE

Toughness, Pinhole resistance, Cold tolerance, Heat resistance

USE

General packaging (liquid type, wet foods, frozen foods, boiled foods, pasty foods, meat & seafood products), Heavy load bag etc.

General physical property of HARDEN Film N1102 type

Item		Unit	N1102		Measuring method
Thickness		Mm	15	25	Apply mutatis mutandis to JIS Z 1714
Haze		%	2.3	2.3	Apply mutatis mutandis to JIS K 7105
Static Coefficient of Friction	B/B	-	0.60	0.45	Apply mutatis mutandis to JIS K 7125
Dynamic Coefficient of Friction	B/B		0.45	0.40	
Tensile Strength	Length	MPa	240	230	Apply mutatis mutandis to JIS K 7127
	Width		310	320	
Tensile Elongation	Length	%	100	105	Apply mutatis mutandis to JIS K 7127
	Width		60	70	
Tensile Elasticity	Length	MPa	1470	1370	Apply mutatis mutandis to JIS K 7127
	Width		980	980	
Impact Strength	23°C	J	1.2	2.0	Toyobo method
	0°C		0.8	0.9	
Thermal Shrinkage rate (160 degrees C, 10mins)	Length	%	1.0	0.9	Apply mutatis mutandis to JIS Z 1714
	Width		1.2	1.0	

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.

Above data are current typical values, not guaranteed.

The test method described as "Apply mutatis mutandis to" is tested in accordance with domestic and international standards, however, some test methods were changed.

< N110222 >

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Packaging Film

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