

LIX Film is the un-stretched film which the main material is linear low-density polyethylene (LLDPE). It is superior in foreign matter sealing property, hot tack property, cold tolerance, and bag tearing resistance.

FUTURE

- (1)L4104 becomes lower temperature than the low-temperature sealing type, so it is possible to fill in with high speed and create a bag, which is comparable with EVA.
- (2)It is superior to EVA in heat sealing strength, hot tack property, and low odor property.
- (3)It is superior in sealing property, so the seal part is completed neatly as the PE accumulation at sealing time is little.
- (4)It has flexibility, and it is superior in shock resistance and pinhole resistance.
- (5)It has proper slipperiness, transparency, and stable machinery aptitude.
(Attention: Please conduct powder shaking to get good slipperiness and anti-blocking property.)
- (6)Hot filling: It is possible to use at 95 Celsius degrees or less and boil at 85 Celsius degrees or less.

USE

High speed small bag automatic filling, High speed automatic packaging etc.

General physical property of the LIX Film L4104 type

Item		Unit	L4104			Measuring method
Thickness		μm	40	50	60	
Haze		%	7.5	8.0	8.5	JIS K7105
Tensile breaking strength	Length	Mpa	33	33	32	JIS K7127
	Width		30	30	30	
Tensile breaking elongation	Length	%	520	550	570	JIS K7127
	Width		630	620	640	
Tensile elasticity	Length	Mpa	110	110	110	JIS K7127
	Width		120	120	120	
Static friction coefficient	Sealing surface	-	0.1	0.1	0.1	Gradient method(tanθ)
Heat shrinkage rate (90 degrees C, 30mins)	Length	%	1.5	1.3	1.1	JIS K6782
	Width		0.3	0.4	0.5	
Impact strength	23°C	J	0.7	0.8	0.9	Toyobo method
	5°C		0.5	0.6	0.8	
Heat seal ability (0.2MPa, 1sec)	115°C	N/15mm	0.5	0.5	0.5	Toyobo method (PET insert)
	120°C		4	3	2	
	125°C		5	6	6	
	130°C		6	7	8	

On these data, the representative values were measured under the specialized condition (23°C, 50%RH)at our company's film feature evaluation agency.

Involute: Corona processed surface, Revolute: Sealing surface

<L410421>

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