

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

FUTURE

- (1)L3105 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 of sealing time is short.
- (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 80 Celsius degrees or less and boil at 75 Celsius degrees or less.

USE

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

General physical property of the LIX Film L3105 type

Item		Unit	L3105(AM)		Measuring method
Thickness		μm	40	50	
Haze		%	6.2	6.4	JIS K7105
Tensile breaking strength	Length	Mpa	36	33	JIS K7127
	Width		32	32	
Tensile breaking elongation	Length	%	550	560	JIS K7127
	Width		610	610	
Tensile elasticity	Length	Mpa	90	90	JIS K7127
	Width		90	90	
Static friction coefficient	Sealing surface	-	0.1	0.1	Gradient method(tanθ)
Heat shrinkage rate (90 degrees C, 30mins)	Length	%	1.8	1.7	JIS K6782
	Width		0.5	0.6	
Impact strength	23°C	J	1.3	1.4	Toyobo method
	5°C		1.0	1.1	
Heat seal ability (0.2MPa,1sec)	85°C	N/15mm	1	1	Toyobo method (PET insert)
	90°C		4	4	
	95°C		5	6	
	100°C		6	7	

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

<L310520>

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