

## LB-L 高速包装型聚烯烃热收缩膜 LB-L High-speed Packaging Polyolefin Shrink Film

LB-L 是一种专为高速包装应用而设计的聚烯烃热收缩膜，具有优异的透明度、良好的收缩性、持久的热封性和优异的韧性。

LB-L 薄膜特别适用于高速枕式包装机使用，具有良好的热封性能和静电封口性能。其中的超薄型厚度产品，在包装方便面、奶茶等产品上表现极佳，包装效果更贴体，最高包装速度可达每分钟250包，不仅降低单个产品包装成本，更大大提高工厂作业效率。其它厚度产品在奶制品集合包装、挂面包装等领域应用广泛，最大限度地提高产量和工厂效率。这种薄膜通常以单片卷的形式在高速枕式包装机使用。

厚度：10micron、11micron、15micron、19micron.



LB-L is a specially designed shrink film for high-speed packing applications, with excellent transparency, good shrinkage, consistently strong seals and exceptional tensile strength.

This film is especially suitable for high-speed pillow packaging, with good heat sealing and electrostatic sealing performance, which can reach maximum 250 packs per minute. It allows for short dwell times that maximize production and increase plant efficiency. This film is mostly used in the form of a singlewound roll type.

Thickness: 10micron, 11micron, 15micron, 19micron.

### TECHNICAL DATA / 技术指标

TEST ITEM	UNIT	ASTM TEST	TYPICAL VALUES				
			10um	11um	15um	19um	
GAUGE 厚度			10um	11um	15um	19um	
TENSILE STRENGTH 拉伸强度							
Tensile Strength (MD)	N/mm <sup>2</sup>	D882	130	125	120	115	
Tensile Strength (TD)			125	120	115	110	
ELONGATION 断裂伸长率							
Elongation(MD)	%	D882	105	105	108	110	
Elongation (TD)			100	100	105	105	
TEAR 撕裂强度							
MD at 400gm	gf	D1922	9.0	10.0	12.0	15.3	
TD at 400gm			8.0	9.5	11.3	14.5	
SEAL STRENGTH 热封强度							
MD\Hot Wire Seal	N/mm	F88	0.75	0.80	0.95	1.15	
TD\Hot Wire Seal			0.80	0.85	0.98	1.25	
COF (Film To Film)							
Static 静摩擦		D1894	0.38	0.35	0.31	0.30	
Dynamic 动摩擦			0.38	0.35	0.33	0.30	
OPTICS							
Haze 雾度		D1003	1.7	1.9	2.2	2.5	
Clarity 透明度		D1746	99.0	98.0	98.5	97.5	
Gloss @ 45Deg 光泽度		D2457	88.5	88.0	87.5	87.5	
BARRIER 阻隔性							
Oxygen Transmission Rate 透氧率	cc/㎡/day	D3985	14500	13200	10800	7300	
Water Vapor Transmission Rate 透水气率	gm/㎡/day	F1249	52.4	47.5	35.5	27.5	
SHRINKAGE PROPERTIES 收缩性能			MD	TD	MD	TD	
Free Shrinkage 收缩率	100℃	%	D2732	18.0	25.0	17.0	23.0
	110℃			32.0	40.0	30.0	38.0
	120℃			55.0	58.0	55.0	57.0
	130℃			65.0	66.0	66.0	67.0
Shrink Tension 收缩率	100℃	Mpa	D2838	1.65	2.45	1.75	2.55
	110℃			2.85	3.65	2.90	3.55
	120℃			2.95	3.95	3.20	4.00
	130℃			2.75	3.40	2.60	3.20

Note: The above information is based on our internal evaluation data and is for reference only. 以上资料是本公司内部评测之数据，仅供参考。