

BLS05

透明低收缩膜

Transparent Low-shrinkage Film



本产品为透明的聚酯薄膜。通过特殊的在线处理工艺，具有较低的收缩率和优异的平整性，可应用于平坦度要求高、高温加工后尺寸稳定性要求非常高的领域。

产品特性

- 透明
- 膜面平整优异，加工性能好
- 较低的收缩率，能在高温加工过程中保持良好的尺寸稳定性

产品应用

- FPC 柔性线路板：覆盖膜、补强板、基材
- 触控面板 / 薄膜开关：面板、线路载体、绝缘层
- LED 灯带 / 柔性屏：耐高温载体、绝缘防护

产品性能

测试项目		单位	典型值				测试方法
厚度		μm	50	75	100	188	GB/T 6672
透光率		%	85	85	85	85	GB/T 2410
雾度		%	4.5	5.5	6.0	6.5	GB/T 2410
拉伸强度	MD	Mpa	175	165	160	160	GB/T 1040.3
	TD	Mpa	200	185	175	165	GB/T 1040.3
断裂伸长率	MD	%	130	130	130	145	GB/T 1040.3
	TD	%	105	110	110	120	GB/T 1040.3
热收缩率 150℃@30min	MD	%	0.4	0.3	0.3	0.2	GB/T 1040.3
	TD	%	0.1	0.1	0.1	0.1	GB/T 1040.3
热收缩率 190℃@30min	MD	%	1.8	1.6	1.5	1.2	GB/T 1040.3
	TD	%	0.5	0.3	0.3	0.3	GB/T 1040.3

1、以上测试结果是基于我们对该测试方法的理解，并结合我们的测试设备的实际情况和测试条件，得出的典型值，不能理解为产品的保证值。The above test results are based on our understanding of the testing method, combined with the actual conditions of our testing equipment, and represent typical values; they should not be interpreted as guaranteed values for the product

2、MD：纵向；TD：横向。MD: Machine Direction; TD: Transverse Direction

3、使用前请参见 MSDS 表 (Material Safety Data Sheet)。 Please refer to the MSDS (Material Safety Data Sheet) before use.

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Transparent Low-shrinkage Film

This product is a transparent polyester film. Treated via a special in-line production process, it features low shrinkage rate and outstanding flatness, suitable for applications demanding high flatness and superior dimensional stability after high-temperature processing.

Features

- Transparent
- Excellent surface flatness and favorable processability
- Low shrinkage rate to maintain superior dimensional stability under high-temperature processing

Application

- FPC (Flexible Printed Circuit): coverlay, stiffener, base film
- Touch panel / membrane switch: panel, circuit carrier, insulating layer
- LED strip / flexible display: high-temperature resistant carrier, insulation protection

Performance

Items		Unit	Typical Value				Test Method
Thickness		μm	50	75	100	188	GB/T 6672
Light Transmittance		%	85	85	85	85	GB/T 2410
Haze		%	4.5	5.5	6.0	6.5	GB/T 2410
Tensile strength	MD	Mpa	175	165	160	160	GB/T 1040.3
	TD	Mpa	200	185	175	165	GB/T 1040.3
Elongation at break	MD	%	130	130	130	145	GB/T 1040.3
	TD	%	105	110	110	120	GB/T 1040.3
Thermal shrinkage 150°C@30min	MD	%	0.4	0.3	0.3	0.2	GB/T 1040.3
	TD	%	0.1	0.1	0.1	0.1	GB/T 1040.3
Thermal shrinkage 190°C@30min	MD	%	1.8	1.6	1.5	1.2	GB/T 1040.3
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