

异步 BOPA Sequential BOPA Film-Grade OA1

产品型号 ONT TYPE ONT

产品简介 Product Introduction

采用高速异步拉伸工艺生产的 OA1 复合级 BOPA 膜；
OA1 Lamination-Grade BOPA Film manufactured via high-speed bi-axial two-step stretching process.

产品特点 Key Features

- 适用性广、性价比高；Wide Applicability, Cost-Effective.
- 适用于 5 色以内、高速印刷的包装制品（封边宽度≤1cm）；Suitable for packaging within 5 colours high-speed printing packaging (seal width≤1cm).
 - 适用于冷冻包装制品；Suitable for frozen food packaging.

应用范围 Applications

- 不适用于水煮或蒸煮包装；Not suitable for boiling or steaming packaging.
- 适用于真空包装制品。Suitable for vacuum packaging.

主要物性指标 Key Physical Properties

项目 Item		测试标准 Test Standard	单位 Unit	典型值 Typical Value
产品厚度/ Thickness		GB/T6672-2001	μm	15
拉伸强度 Tensile Strength	MD	GB/T1040.3-2006	MPa	210
	TD		MPa	265
拉伸标称应变/ Nominal Tensile Strain	MD	GB/T1040.3-2006	%	120
	TD		%	95
热收缩率（160℃，5min） / Heating Shrinkage (160℃， 5min)	MD	GB/T12027-2004	%	1.8
	TD		https://www.cz-mz.com/	1.7

摩擦系数（动/静） / Coefficient of Friction (Dynamic/Static)		GB/T10006-1988	/	0.38/0.35
表面张力（单电晕面） Surface Tension (Inside Corona Treated)	电晕面/ Inside	GB/T14216-2008	mN/m Dyne	56
	非电晕面/ Out-side		mN/m Dyne	38
雾度/ Haze		GB/T2410-2008	%	4.3
氧气透过量/ OTR		GB/T1038-2000	cm ³ /m ² ·d·Pa	4.8×10 ⁻⁴
卷长/ Roll Length		/	m	6000
宽幅 / Width		/	mm	350~1500

备注 Notes

- 1、产品长度、宽度可由供需双方协商定制；
Customized length/width available upon agreement.
- 2、MD 纵向，TD 横向；
MD: Machine Direction, TD: Transverse Direction.
- 3、以上数据为产品典型值，并非标准。
Data shown are typical values, not specifications.

使用建议 Instructions for Use

①使用前检查确认铝塑包装膜完好没有破损。

Before use, check and confirm that the aluminum-plastic packaging film is intact and undamaged.

②在上机后准备印刷时再打开铝塑膜包装，以免尼龙膜在等待使用的过程中发生吸潮。

Open the aluminum-plastic film packaging only when ready to print on the

machine to prevent the nylon film from absorbing moisture during standby periods.

③在尼龙膜使用过程中对生产车间的温湿度控制在温度 $\leq 25^{\circ}\text{C}$ 、相对湿度 $\leq 60\%$ 。

During nylon film processing, maintain workshop environmental conditions at temperature $\leq 25^{\circ}\text{C}$ and relative humidity $\leq 60\%$.

④尼龙膜印刷完毕后，仍需要用铝塑包装对膜卷进行防潮保护。

After printing the nylon film, it is still necessary to use aluminum-plastic packaging to protect the film roll from moisture.

⑤在搬运膜卷的过程中，要轻拿轻放，做好缓冲措施，避免出现铝塑膜破损、端面损伤等现象。

Handle film rolls with care during transportation, implementing proper cushioning measures to prevent damage to the aluminum-plastic packaging and roll end faces.

⑥打开铝塑包装膜后，如发现尼龙膜有轻微褶皱，可以将褶皱剥掉继续使用。如发现尼龙膜有严重褶皱，请拍照留存，连同膜卷标签及时反馈我司，同时将膜卷做好防潮保护，暂停使用。

After opening the aluminum-plastic packaging film, if slight wrinkles are found on the nylon film, the wrinkles can be peeled off and continued to be used. If serious wrinkles are found on the nylon film, please take photos and keep them, along with the film roll label, and provide prompt feedback to our company. At the same time, the film roll should be protected against moisture and temporarily suspended from use.