ASIA PACIFIC INDUSTRY GROUP CO., LIMITED
Tel +0086-551-64687285
Email sales@boppfilmsales.com
www.boppfilmsales.com · www.apigcl.com

Metalized BOPP Film — MC Series, 15 – 30 µm
镀铝 BOPP 薄膜 — MC 系列，15 – 30 µm

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APIG-TDS-BOPP-MC-2018	**Rev. 1.0**	**2018-09-29**	**Technical Data Sheet / 技术数据表**

PRODUCT 产品说明

Biaxially oriented polypropylene film, one side metalized by controlled vacuum deposition of high-purity aluminium. Non-migratory additives give stable slip and outstanding metal adhesion; the untreated face offers a broad heat-seal range. Used as the internal web of laminations requiring light protection, moisture and/or oxygen barrier, including high-performance food packaging. For FDA direct food contact the metal surface should be the outer surface or embedded in the laminate. The metalized side is normally on the outside face of the reel.

双向拉伸聚丙烯薄膜，单面以高纯铝可控真空镀膜;采用非迁移型助剂，滑爽性稳定、金属附着力优异，未处理面热封范围宽。用作需遮光、阻湿或阻氧复合结构的内层，含高性能食品包装。用于 FDA 直接食品接触时镀铝面应位于外层或复合结构内部;镀铝面通常位于膜卷外侧。

MAIN CHARACTERISTICS 主要特点

- Free of migratory additives
  不含迁移型助剂
- One metalized side, excellent barrier to UV light, gases and odours
  单面镀铝，对紫外光、气体及多种气味阻隔优异
- Excellent flatness and dimensional stability
  平整度与尺寸稳定性优良
- Broad heat-sealing range
  热封范围宽
- Good ink and adhesive reception on the metal side
  镀铝面对油墨与胶粘剂附着良好

STANDARD DIMENSIONS 标准规格

牌号 Code	厚度 µm	克重 g/m²	长度（Ø550） m	长度（Ø760） m	重量 Ø550 / Ø760 kg/cm
MC15	15.0	13.6	13,900	27,800	—
MC17	17.5	15.8	11,900	23,800	—
MC20	20.0	18.1	10,300	20,600	1.89 / 3.77
MC25	25.0	22.6	8,250	16,500	—
MC30	30.0	27.2	6,900	13,800	—

TYPICAL PHYSICAL PROPERTIES 典型物理性能

性能 Property	单位 Unit	方法 Method	典型值 Typical value
光学密度 Optical density（Macbeth）	—	—	2.2
动摩擦系数（未处理/未处理）COF NT/NT	—	ASTM D1894	≤0.3
拉伸强度 MD Tensile strength	N/mm²	ASTM D882	125
拉伸强度 TD Tensile strength	N/mm²	ASTM D882	235
断裂伸长 MD Elongation at break	%	ASTM D882	180
断裂伸长 TD Elongation at break	%	ASTM D882	50
2% 割线模量 MD Secant modulus	N/mm²	ASTM D882	1,700
2% 割线模量 TD Secant modulus	N/mm²	ASTM D882	3,000
热封起始温度 Seal initiation temperature	℃	ASTM F88 / F2029	105
水蒸气透过率（38 ℃ / 90 % RH）WVTR	g/m²/day	ASTM F1249	4.0
氧气透过率（22 ℃ / 0 % RH）OTR	cm³/m²/day	ASTM D3985	60

Store at not more than 30 C, away from light, at 60 % RH; observe first-in-first-out.
储存温度不超过 30 ℃、避光、相对湿度 60 %;按先进先出领用。

. which stated they are general guidelines only. Store below 30 C, away from light, at 60 % RH; first-in-first-out.
声明仅供参考、不构成技术规范。30 ℃ 以下避光、相对湿度 60 % 储存，先进先出。

地址 ADD.: No.3399, Luzhou Ave., Baohe Dist., Hefei, Anhui 230051, China | 安徽省合肥市包河区庐州大道3399号
传真 Fax: +0086-551-64683490 **营业执照注册号 Business License Reg. No.:** 91340100575703313N
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