亞太工業集團
Asia Pacific Industry Group Co., Limited

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

# BOPP Film for Capacitor — Base Film & Metallized Film

## 电容器用 BOPP 薄膜 — 光膜与金属化膜

| Document No. 文件编号 | Revision 版本 | Issue date 签发日期 | Document type 文件类型 |
|---|---|---|---|
| **APIG-TDS-BOPP-CAP-2018** | **Rev. 1.0** | **2018-09-25** | **Technical Data Sheet / 技术数据表** |

## BASE FILM — FEATURES & APPLICATION 光膜 — 特点与应用

PP film manufactured by the tenter process from super-clean electrical grade resin. Both surfaces are controlled smooth; one side is corona treated. General application: base film for metallisation with aluminium, zinc or alloy, for power factor correction capacitors, fluorescent lighting and motor run capacitors.

采用超洁净电工级树脂、以拉幅法生产的聚丙烯薄膜，双面平整可控，单面电晕处理。主要用于蒸镀铝、锌或合金后制作功率因数校正电容器、荧光灯电容器与电机运转电容器。

## BASE FILM — PROPERTIES 光膜 — 性能

| 项目<br>Property | 数值<br>Value |
|---|---|
| 厚度 Thickness | 6 / 7 / 8 μm（千分尺测量 by micrometer） |
| 厚度偏差 Thickness tolerance | 待补 |
| 卷芯内径 Core (I.D.) | 76 mm ±1 或 152 mm ±1 |
| 膜卷外径 Roll (O.D.) | 不大于 No more than 400 mm |
| 膜卷宽度 Roll width | 430 / 500 mm |
| 宽度偏差 Width tolerance | ±0.5 mm |
| 表面粗糙度 Surface roughness | 0.1 μm |
| 介电常数 Dielectric constant | 2.2 |
| 电阻系数 Resistivity | $5 \times 10^{15}$ |
| 介质损耗因数 Dissipation factor | $2 \times 10^{-4}$ |
| 密度 Density | 0.90 – 0.91 |
| 熔点 Melting point | 165 ℃ |
| 软化点 Softening point | 待补 |
| 吸水率 Water absorption | 0.03 – 0.04 |
| 拉伸强度 Tensile strength | MD 140 MPa / TD 250 MPa |
| 弹性模量 Modulus of elasticity | 待补 |
| 收缩率 Shrinkage | MD 3.5 % / TD 1.0 % |
| 灰分 Ash content | 待补 |
| 氯含量 Chlorine content | 待补 |
| 电晕处理 Corona treatment | 37 |

## METALLIZED FILM — FEATURES & APPLICATION 金属化膜 — 特点与应用

Zinc / aluminium alloy metallised PP film with heavy edge and improved corrosion stability; the base film is produced from super-clean electrical grade resin. Applied to AC low-voltage power capacitors with the highest stresses and largest units, and also suitable for motor run and lighting capacitors.

锌铝合金蒸镀的聚丙烯薄膜，边缘加厚、耐腐蚀性改善;基材采用超洁净电工级树脂。适用于高场强、大容量交流低压电力电容器，也适用于电机运转与照明电容器。

## METALLIZED FILM — PROPERTIES 金属化膜 — 性能

**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
**海关注册编码 Customs Reg. Code:** 3401961393

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

| 项目<br>Property | 数值<br>Value |
|---|---|
| 厚度 Thickness | 5 / 6 / 7 / 8 μm（千分尺测量 by micrometer） |
| 厚度偏差 Tolerance from standard thickness | 待补 |
| 卷芯直径 Core diameter | 75 mm ±1 |
| 膜卷直径 Bobbin diameter | 240 mm |
| 宽度 Width | 50 mm 或 75 mm |
| 薄膜表面 Surface of the film | 待补 |
| 留边 Free margins | 2.5 / 2.0 / 1.5 mm |
| 留边偏差 Margin tolerance | ±0.4 mm |
| 边缘加厚电阻量 Heavy edge resistance | 4 Ω |
| 膜电阻量 Main body resistance | 7.5 Ω ±25 % |
| 介电常数 Dielectric constant | 2.2 |
| 电阻系数 Resistivity | 5 × $10^{15}$ |
| 介质损耗角 Dissipation factor | 2 × 10□⁴ |
| 密度 Density | 0.90 – 0.91 |
| 熔点 Melting point | 165 ℃ |
| 软化点 Softening point | 待补 |
| 拉伸强度 Tensile strength | MD 140 MPa / TD 250 MPa |
| 收缩率 Shrinkage | MD 3.5 % / TD 1.0 % |
| 吸水率 Water absorption | 0.03 – 0.04 |
| 电晕 Corona treatment | 待补 |
| 弹性模量 Modulus of elasticity | 待补 |

空缺项目标注「待补」。

**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
**海关注册编码 Customs Reg. Code:** 3401961393