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# BOPP Metallized Film (Aluminium Silver) - Technical
## BOPP 薄膜 — 技术数据

| Document No. 文件编号 | Revision 版本 | Issue date 签发日期 | Document type 文件类型 |
|---|---|---|---|
| **APIG-TDS-BOPP-MET-2026** | **Rev. 2.0** | **2026-11-09** | **Technical Data / 技术数据** |

## 1 • DOCUMENT INFORMATION 文档信息

| Item 项目 | Description 说明 |
|---|---|
| Document type 文件类型 | Technical Data / 技术数据 |
| Subject 主题 | BOPP Metallized Film (Aluminium Silver) - Technical Data Sheet |
| Specification basis 规格依据 | APIG product specification 亚太工业集团产品规格 |
| Issue 签发 | 2026-11-09 · Rev. 2.0 |
| Language 语言 | Bilingual headings — English / 中文 |

## 2 • TECHNICAL CONTENT 技术内容

OPP Commodity Metal Film Metalized The OPP Metal Film MC is one side metalized by a controlled vacuum deposition of high purity aluminum. This film is formulated with non migratory additives for stable slip properties and outstanding metal adhesion. The untreated face offers a broad heat range. The metalized side is normally located in the outside face of the reel. Main Characteristics Free of migratory additives One metalized side for excellent barrier to UV light, gases and a variety of odors. Excellent flatness and dimensional stability Broad heat sealing range Metal side with good ink and adhesive reception This product is typically used as the internal web in laminations for products which require light protection, moisture and / or oxygen barrier. Its enhanced properties are fully utilized in high performance food preservation packaging. In order to meet all FDA guidelines for direct food contact, the metal surface should be located in either the outer surface or embedded within the laminated structure. Its seal properties allow it to be used in multiple VFFS or HFFS packaging machinery, in fin and/or lap seals. Standard Dimensions Product Code Thickness (µm) Unit Weight (g/m2) Width (mm) Paper Core External Ø 550 mm External Ø 760 mm Metal Face Length (m) Weight (Kg/cm) Length (m) Weight (Kg/cm) MC15 15.0 13.6 400 a 2,000 6” 13,900 1.89 27,800 3.77 Outside MC17 17.5 15.8 11,900 23,800 MC20 20.0 18.1 10,300 20,600 MC25 25.0 22.6 8,250 16,500 MC30 30.0 27.2 6,900 13,800 tp:// · Typical Values of Physical Properties * Notes MD Machine Direction TD Transverse Direction NT Non Treated Si de T Treated Side * Information presented in this data sheet is intended to be used as general and not as technical specifications Important o It is recommended to store this material at not exceeding 30°C in temperature, at shadow and with a relative humidity of 60% o There might be a deterioration of certain physical properties by adverse storage through time. It is therefore advisable to keep an adequate inventory turn-over of this material. Property Unit Testing Method Thickness in microns 15 17.5 20 25 30 Optical Density - Macbeth 2.2 Kinetic Coefficient of Friction (F/F) NT/NT -- ASTM D1894 0.3 Tensile Strength MD N/mm2 ASTM D882 125 TD 235 Elongation at Break MD % 180 TD 50 Secant Modulus @ 2% MD N/mm2 1,700 TD 3,000 Heat Seal Initiation Temperature (SIT) NT °C ASTM F88 / F2029A 40 psi, 0.5s 105 NT N/25mm 4.0 6.0 Water Vapor Transmission Rate (WVTR) @ 38°C, 90% RH g/m2/day ASTM F1249 0.2 Oxygen Transmission Rate (OTR) @ 22°C, 0% RH cm3/m2/day ASTM D3985 60 tp:// ·

以下数据为本产品技术规格，随货签发检验记录。

## 3 • NOTES 说明

Values are indicative; the signed

technical agreement governs any order.

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