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BOPP Transparent Foil for Adhesive Tape — 25 – 50 µm

胶带用 BOPP 透明基膜 — 25 – 50 µm

TECHNICAL DATA SHEET 技术数据表 | APIG-TDS-BOPP-FOIL-2018 | Issue date 2018-09-25 Rev. 1.0

PRODUCT 产品说明

BOPP foil, transparent, with a high modulus of elasticity and low extension, and a high-quality treatment on one side. The treated side accepts adhesives and release coatings; the non-treated side is a high-rigidity polymer surface.

BOPP
透明基膜，弹性模量高、延伸率低，单面作高质量处理。处理面用于涂布胶粘剂与离型层；非处理面为高刚性聚合物表面。

CHARACTERISTICS / APPLICATION 特点 / 应用

- Excellent affinity to adhesives, primers and inks
  对胶粘剂、底涂与油墨亲和性优良
- Low extension
  延伸率低
- Highly resistant to breaking
  抗断裂强度高
- Good dimensional stability
  尺寸稳定性好
- Good thermal stability
  热稳定性好
- Good optical properties
  光学性能好
- Application: adhesive tape (sticking bands)
  应用：胶粘带（粘贴带）
- Coating of adhesives
  涂布胶粘剂
- Primed or release-coated covering
  底涂或离型涂布
- Deep print or flexo printing (internal and external)
  凹印或柔印（内印与外印）
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TYPICAL VALUES — THICKNESS DEPENDENT 典型值 — 随厚度变化

项目 Property	单位 Unit	25	28	32	35	40	50
厚度 Thickness	µm	25	28	32	35	40	50
克重 Weight		22.8	25.5	29.1	31.9	36.4	45.5
出膜量 Production		44.0	39.2	34.3	31.4	27.5	22.0
水蒸气透过率（38 ℃ / 90 % RH）Water vapour permeability		5.5	5.0	4.2	3.9	3.4	2.8
氧气透过率（23 ℃ / 0 % RH）Oxygen permeability		1600	1400	1250	1100	1000	800
雾度 Haze		1.1	1.2	1.5			

Haze values were given for the first three thicknesses only in the original; the remaining cells are left blank.
雾度原件仅给出前三个厚度，其余留空。

OTHER PROPERTIES 其余物性

项目 Property	单位 Unit	方法 Method	数值 Value
表面张力 Level of treatment	dyne/cm	ASTM D2578	44
光泽度 Gloss	%	ASTM D2457	95
摩擦系数（输入/输出）Friction coefficient	—	ASTM D1894	0.6
热收缩 MD/TD（130 ℃ / 5 min）Thermo-shrinking	%	OPMA TC4(a)	5.0 / 2.0 及 4.0 / 2.0

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海关注册编码 Customs Reg. Code: 3401961393

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项目 Property	单位 Unit	方法 Method	数值 Value
弹性模量 MD/TD Modulus of elasticity	N/mm²	ASTM D882	2400 / 3600 及 2200 / 3600
拉伸强度 MD/TD Tensile strength	N/mm²	ASTM D882	170 / 260 及 150 / 260
断裂伸长 MD/TD Extension at stretching	%	ASTM D882	160 / 70 及 170 / 70
焊接范围 Welding range	°C	—	仅可用热丝焊接 May be welded only with hot wire
焊接强度 Welding resistance	g/25 mm	—	仅可用热丝焊接 May be welded only with hot wire

For four properties the original sheet prints two value sets without naming the thickness each belongs to; both sets are kept side by side exactly as printed.
其中四项原件给出两组数值但未注明对应厚度，此处两组并列照录。

Values reproduced from the original data sheet; no conversion or estimation.
数值照录原件，未做换算与估算。

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