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TECHNICAL DATA SHEET · 技术参数表

OPS-27μ Oriented Polystyrene Window Envelope Film

OPS-27μ 定向聚苯乙烯（OPS）信封开窗贴片膜

Doc. No. API-TDS-OPS27-2026 **Rev.** 1.0 **Date** 2026-11-20 **HS code** 3920300000 **Product** OPS / BOPS window film

01 Applications

产品应用

A higher-yield, low-dusting, matt (low-gloss, translucent), oriented polystyrene film (= BOPS) designed for window envelope patches. In particular, it enables efficient processing of window envelopes on high-speed postal sorting equipment such as Optical Character Readers (OCR) and Bar Code Readers (BCR). Available in 27 µm (1.05 mil) thickness.

一种高得率、低粉尘、亚光（低光泽、半透明）的定向聚苯乙烯薄膜（BOPS），专为信封开窗贴片而设计。尤其适用于在高速邮政分拣设备（如光学字符识别 OCR、条码识别 BCR）上高效加工开窗信封。可供厚度 27 µm（1.05 mil）。

02 Technical properties

技术性能 · Laboratory averages 实验室平均值

Property 项目	Unit 单位	Value 数值	Test method 测试方法
Thickness 厚度	µm	27	ASTM D4321
Yield 得率	m²/kg	35.8	ASTM D4321
Specific gravity 比重	g/cm³	1.05	ASTM D792
Gloss at 60° 光泽度（**60°**）	%	72	ASTM D2457
Haze 雾度	%	18	ASTM D1003
Yield tensile stress MD 屈服拉伸应力 纵向	N/mm²	80	ASTM D882
Yield tensile stress TD 屈服拉伸应力 横向	N/mm²	72	ASTM D882

Handling & conversion 使用与加工

- Water-based window gum on porous uncoated stock; hot melt on coated or varnished stock.
- Condition rolls to hall temperature (18–25 °C, 45–60 % RH) before unwinding to avoid blush.
- Keep rolls upright in the original wrap, away from direct sun and heat sources.
- Storage life is typically 12 months from production in the conditions above.

03 Notes

说明

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