

Asia pacific - 27 μ

TECHNICAL DATA

ASIA PACIFIC INDUSTRY GROUP CO., LIMITED* - 27 μ Polystyrene Window Film

Applications

A Higher yield, low dusting, low gloss, translucent, oriented, polystyrene film designed for window envelope patches. In particular, 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 μ m (1.05 mil) thickness.

TECHNICAL PROPERTIES (laboratory averages)			
PROPERTIES	UNIT	VALUE	TEST METHOD
Thickness	μ m	27	ASTM D4321
Yield	m ² /kg	35.8	ASTM D4321
Specific Gravity	g/cm ³	1.05	ASTM D792
Gloss at 60°	%	72	ASTM D2457
Haze	%	18	ASTM D1003
Yield Tensile Stress MD TD	N/mm ²	80 72	ASTM D882

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BOPS WINDOWS ENVELOP FILM				
PROPERTIES	UNIT		RESULT	TEST STANDARD
AVERAGE GAUGE	MICRON μm		25.07	-
THICKNESS TOLERRANCE(MAX)	%		±5	
HAZE	%		1.7	ASTM D-1003
GLOSS 45°	%		120	ASTM D-2457
TENSILE STRENGTH	MPa	MD	27.4	JIS K7127
	MPa	TD	48.4	JIS K7127
ELONGATION AT BREAK	%	MD	113.4	JIS K7127
	%	TD	40.26	JIS K7127
MODULUS OF ELASTICITY 弹性模量	MPa	MD	1311	JIS K7127
		TD	1404	JIS K7127
COF	AA	AB	BB	ASTM D-1894
	0.508	0.520	0.455	

■ 一般特性

タイプ		1401
品番(μ)		30
項目(単位)		
ヘイズ(%)		4.0
摩擦係数	静	0.7
	動	0.7
ヤング率 (MPa)	MD	710
	TD	860
破断強度 (MPa)	MD	100
	TD	95
破断伸度 (%)	MD	410
	TD	410
ぬれ張力 (mN/m)	ロール内面	40
水蒸気透過度(g/m ² ・d・0.1mm)		18
酸素透過度(20°C トライml/m ² ・d・シート)		35

* 本データは特定条件下で得られた測定値の代表例です。

