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BOPP Plain Film — Technical Data (Prime / Eligible / Weak)

BOPP 普通膜 — 技术数据（优等 / 合格 / 次等）

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APIG-TDS-BOPP-PLAIN-2026	**Rev. 2.0**	**2026-11-09**	**Technical Data Sheet / 技术数据表**

1 • MACHINABILITY 机械性能 依据 GB/T1003-96 检验方法逐行列出

Standard: GB/T1003-96. Grade columns: Prime / Eligible / Weak. 依据标准 GB/T1003-96;保留优等 / 合格 / 次等三级列。

Items 项目	Prime 优等	Eligible 合格	Weak 次等	Test method 测试方法	Marking 标记
Tensile strength in machine	MD	GB13022-91	≥150	≥120	—
—	TD	—	≥260	≥260	—
Elongation in machine	MD	GB13022-91	≤180	≤180	—
—	TD	—	≤65	≤65	—
Elasticity (3 days later) Mpa	—	GB13022-91	≥1700	≥1700	—
Thermal contraction %	MD	GB/T1003-96	≤4	≤5	—
—	TD	—	≤2	≤3	—
Haze %	—	GB2410-80	≤1.2	≤1.5	—
Transparency stability %	—	GB2410-80	≥85	/	—
Gloss%	—	GB8807-88	≥90	≥85	—
Wettability mN/m	—	GB/T14216-93	≥39	≥38	—
Fraction coefficient %	MD	GB/10006-88	≤0.8	≤0.8	—
—	TD	—	≤0.8	≤0.8	—

2 • DIMENSION 尺寸

Items 项目	Prime 优等	Eligible 合格	Weak 次等	Test method 测试方法	Marking 标记
Damage of core	NO	NO	YES	BY SIGHT	O
Damage of edge	NO	A LITTLE	BADLY	BY SIGHT	B
Joint	NO	One joint is allowed	3 joints	BY SIGHT	J

3 • APPEARANCE 外观

Items 项目	Prime 优等	Eligible 合格	Weak 次等	Test method 测试方法	Marking 标记
deflection	≤1mm	≤3mm	＞3mm	BY RULE	P
Warp on edge	NO	NO	Obviously	BY SIGHT	G
Dent	NO	NO	/	BY SIGHT	V
Color distinction	NO	Obviously	/	BY SIGHT	D
Bruise	NO	Obviously	Obviously	BY SIGHT	R
Contamination	NO	NO	/	BY SIGHT	W
Diameter <0.5mm One or two					
Balloon	diameter<0.5mm	Yes	/	BY SIGHT	K
three					

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Items 项目	Prime 优等	Eligible 合格	Weak 次等	Test method 测试方法	Marking 标记
Material leakage	NO	Lightly	Badly	BY SIGHT	H
Dyne distinction	≥38	≥36	—	—	U
Damage	No	Lightly	Badly	—	X

Items 项目	Prime 优等	Eligible 合格	Weak 次等	Test method 测试方法	Marking 标记
Width	±1	±2	—	—	A
Length distinction	As client request	Light distinction	Badly	BY COMPUTER	C

3 • APPEARANCE 外观

Items 项目	Prime 优等	Eligible 合格	Weak 次等	Test method 测试方法	Marking 标记
4、Roll’s	quality	—	—	—	—
Items	—	—	—	Prime	—

4 • ROLL QUALITY 卷材质量

Items 项目	Prime 优等	Eligible 合格	Weak 次等	Test method 测试方法	Marking 标记
Width below 1000 mm ≤50m Widtha					
Dent	bove1000mm	≤250m	/	BY SIGHT	F
≤100m					
Dent inside	No	No	＞ 300m	BY SIGHT	L
Longitudinal marking	NO	No	/	BY SIGHT	T
Transverse marking	NO	No	/	BY SIGHT	M
Blotch	No	Lightly	/	BY SIGHT	Q

No values were supplemented from other grades. 重复叠字已清除