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中国认可
国际互认
检测
TESTING
CNAS L0098



检验报告

Test Report

报告编号

(2025)GSJ-X0822Y

Report No.

样品名称

BOPA FILM

Name of sample

委托单位

XIAMEN CHANGSU INDUSTRIAL CO., LTD.

Consigner

受检单位

Inspected entity

检验类别

Entrust test

Test category



NPQTC

福建省产品质量检验研究院

Fujian Inspection and Research Institute for Product Quality

国家塑料制品质量检验检测中心（福州）

National Quality Inspection and Testing Center of Plastic Product(Fuzhou)

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国家塑料制品质量检验检测中心

Fujian Inspection and Research Institute for Product Quality(FQII)
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TEST REPORT

NO.: (2025)GSJ-X0822Y

PAGE 1 OF 3

Applicant: Name: XIAMEN CHANGSU INDUSTRIAL CO., LTD. Address: NO.268.WENGJIAO ROAD, HAICANG DISTRICT, XIAMEN, CHINA Phone No.:/ Fax No.:/ Post Code:361026 E-mail:/		Sample: Name: BOPA FILM Trade Mark:/ Type/Model: mm :210×0.015 Sample grade:/ Batch number (No.):/ Production Date:/ Manufacturer:/ Amount:200g Date Received:2025-04-29 State Received: The samples are fit for the requests of testing.	
Test Specification(s)		GB/T 20218-2021 <i>Biaxially oriented polyamide (nylon) film</i> GB 4806.7-2023 <i>National Food Safety Standards Plastic Materials and Products for Food Contact</i>	
Conclusion		The tested items of the sample are complied with the requirements of GB/T 20218-2021 and GB 4806.7-2023.   Date:2025-05-14	
Note		(See next page)	
Test Date	2025-04-29~2025-05-13	Test Location	Mawei base

Approved by:

张兵

Checked by:

肖潇

Tested by:

肖晓青

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TEST REPORT

NO.: (2025)GSJ-X0822Y

PAGE 2 OF 3

Table 1. Appearance, dimension, physical and mechanical properties

Inspection Item		Unit	Technical Index ($d_0 \leq 0.015\text{mm}$)	Inspection Result
Appearance		/	Fit for the requirement of the clause 3.1.2	Pass
Average deviation of thickness		%	± 3	0
Limit deviation of thickness		%	± 10	0
Width deviation		mm	+4 0	0
Tensile strength	MD	MPa	≥ 180	234
	TD			311
Nominal tensile strain	MD	%	≤ 180	121
	TD			97
Thermal shrinkage rate	MD	%	≤ 3.0	-1.0
	TD		≤ 2.0	-0.7
Coefficient of kinetic friction (non-treated side/ non-treated side)		/	≤ 0.6	0.35
Wetting tension (treated side)		mN/m	≥ 50	65
Haze		%	≤ 7.0	3.3
Oxygen transmission rate		$\text{cm}^3/(\text{m}^2 \cdot \text{d} \cdot \text{Pa})$	$\leq 10.0 \times 10^{-4}$	4.7×10^{-4}



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TEST REPORT

NO.: (2025)GSJ-X0822Y

PAGE 3 OF 3

Table 2.The chemical and hygienic indexes

Inspection Item		Unit	Technical Index	Inspection Result
Overall migration (reflux, 2h then 40°C, 10d)	10% (volume fraction) ethanol	mg/dm ²	≤10	3
	4% (volume fraction) acetic acid		≤10	3
	95% (volume fraction) ethanol (vegetable oil substitution)		≤10	3
Potassium permanganate consumption (distilled water), 60°C, 2h		mg/kg	≤10	1
Heavy metal by Pb 4%(volume fraction)acetic acid, 60°C, 2h			≤1	<1
SML(T) (based on caprolactam) (reflux, 8h then 60°C, 10d)	10% (volume fraction) ethanol	mg/kg	≤15	ND(QL:1.0)
	4% (volume fraction) acetic acid		≤15	ND(QL:1.0)
	95% (volume fraction) ethanol (vegetable oil substitution)		≤15	ND(QL:1.0)
Sensory requirement	Sense	/	The color is normal, no peculiar smell, no impurity, etc.	Pass
	Soaking solution	/	The liquid was not turbid, precipitation, odour and other sensory deterioration	Pass

Remark:Provided by applicant: 1. The manufacturer is XIAMEN CHANGSU INDUSTRIAL CO., LTD.; 2. No colorants were added, CAS Number:25038-54-4; Anticipated contact food: All food types; Use condition :121°C sterilization 120min, storage at room temperature for ≥180d; S/V unknown when expected or actual used; Sample usage:disposable.

*******End of Test Report*******

