



HAO KE LAO

PRODUCT MANUAL

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OUR VISION

我们的愿景

Create a first-class competitive ecology
Leading enterprise in environmental protection

CATALOGUE

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企业简介

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BUILD A FIRST-CLASS ENTERPRISE

打造一流企业

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COMPANY PROFILE

企业简介

01 ABOUT US 关于我们



1000+

Global customers
全球客户

A. We Are One-Stop Solutions Provider in Food & Beverage Eco-Packaging Industry

我们是餐饮环保包装行业一站式解决方案商

- Serving 1000+ clients worldwide, including global chain restaurants and FMCG industry leaders.
- 服务全球 1000+ 客户, 包括 国际连锁餐饮品牌、快消行业领军企业。

B. 20 Years of Expertise in Eco-Friendly Disposable Packaging

专注环保一次性包装20年

- With 10,000m2 smart factory, 120+ experts and 150+ advanced machines, we produce 100M+ units annually. Specializing in customizable coffee paper cup, ice cream paper cup, noodle paper cup, salad paper bowl, popcorn paper bucket, paper box, plastic cup, paper bag, cone paper sleeve, calippo tube, etc., certified by ISO/FDA. Innovative designs + rigorous QC empower brands' sustainable growth.

- 万平智能工厂, 120+ 专业团队, 150+ 先进设备, 年产能破亿。提供咖啡杯、沙拉碗等全品类定制, 通过 ISO 认证与 FDA 标准, 以创新设计 + 严格品控助力品牌绿色升级。



120+

专业团队 / Experts



150+

先进设备 / Advanced Machines



100M+

年产 / Units Annually



Innovative designs + rigorous QC empower brands' sustainable growth.

创新设计+严格品控助力品牌绿色升级

ENTERPRISE PHILOSOPHY

核心亮点



One-Stop Service

一站式服务



Customized design and size

定制设计和尺寸



Quick Sample Making

快速打样

Meets global certification standards

符合全球认证标准



ISO certification
ISO 认证



FDA Certification
FDA 标准



FSC Certification
FSC 森林认证



Degradable certification
可降解认证



Eu CE certification
欧盟 CE 认证



PFAS free
PFAS free



BPA free
BPA free

Currently serving 2000+ clients worldwide, including global brands like Starbucks, McDonald's, Subway, and 7-Eleven.

目前服务全球2000+客户, 包括 Starbucks, McDonald's, Subway, 7-Eleven 等国际品牌。

PRODUCT INTRODUCTION

产品介绍

01 COFFEE PAPER CUP SERIES

咖啡纸杯系列



Product Introduction And Advantages

产品介绍与优势

① Food-Grade Virgin Wood Pulp Material with 230-280gsm Basis Weight

Made from 100% food-grade virgin wood pulp, with a basis weight range of 230-280gsm and density uniformity error $\leq 5\%$. Ensures cup compressive strength $\geq 150\text{N}$, certified by ISO 9001 and FDA for food contact compliance.



采用100%食品级原主木浆

纸张克重范围 230-280gsm, 密度均匀性误差 $\leq 5\%$, 确保杯体抗压强度 $\geq 150\text{N}$, 同时通过 ISO 9001 和 FDA 食品接触材料认证。

② Nano-Level PE Coating with Precision Thickness of $0.02 \pm 0.005\text{mm}$

Inner wall coated with high-density polyethylene (PE) film, thickness $0.02\text{mm} \pm 0.005\text{mm}$. Heat-sealed at $180-200^\circ\text{C}$, achieving zero leakage and passing 72-hour liquid static immersion test.



纳米级PE淋膜涂层, 厚度精准至 $0.02 \pm 0.005\text{mm}$

内壁采用高密度聚乙烯 (PE) 淋膜技术, 涂层厚度 $0.02\text{mm} \pm 0.005\text{mm}$, 热封温度 $180-200^\circ\text{C}$, 实现零渗透, 通过 72 小时液体静置测试无渗漏。

③ Double-Layer Rolled Rim with $18\text{mm} \pm 0.3\text{mm}$ Diameter

Double-layer rolled rim design with diameter $18\text{mm} \pm 0.3\text{mm}$, edge tear resistance $\geq 30\text{N}$. Enhances heat insulation and grip comfort, passing 100,000 friction cycles without deformation.



杯口双层卷边工艺, 卷边直径 $18\text{mm} \pm 0.3\text{mm}$

双层卷边结构设计, 卷边直径 $18\text{mm} \pm 0.3\text{mm}$, 边缘抗撕裂强度 $\geq 30\text{N}$, 有效防烫且提升握持舒适度, 通过 10 万次摩擦测试无变形。

④ Leak-Proof Reinforced Base with 1.2kg/500ml Load Capacity

Ultrasonic heat-sealed base reinforcement technology supports 1.2kg load for 500ml capacity. Base thickness $0.5\text{mm} \pm 0.05\text{mm}$, passes ASTM D4169 transport simulation test without cracking.



杯底防漏加固环, 承重能力达 1.2kg / 500ml

杯底采用超声波热压加固技术, 承重 1.2kg/500ml 容量, 底部厚度 $0.5\text{mm} \pm 0.05\text{mm}$, 通过 ASTM D4169 运输模拟测试无破裂。



Single Wall Paper Cup

单层纸杯



Ripple Wall Paper Cup

波纹纸杯



主要产品
Main Product



Double wall paper cup

中空纸杯



Please look forward to
more products.....

更多产品敬请期待.....

Coffee Paper Cup Series

咖啡纸杯系列

Product technical parameters | 产品技术参数

Performance Tests 性能测试		
Parameter Name 参数名称	Data 数据	Remark 备注
抗压强度 Compression Strength	≥50N	垂直压力下不变形 No deformation under vertical pressure
泄漏测试 Leakage Test	无渗漏 (1小时) No Leakage (1hr)	装水后静置1小时无泄漏 No leakage after 1 hour with water
堆叠强度 Stacking Strength	20层 20 Layers	静态堆叠承重无坍塌 No collapse under static stacking
杯底抗冲击 Base Impact Resistance	1米跌落无破损 1m Drop No Damage	空杯从1米高度跌落测试 Empty cup drop test from 1m height
涂层附着力 Coating Adhesion	5N/cm²	剥离强度测试结果 Peel strength test result

Material & Safety 材料与安全		
Parameter Name 参数名称	Data 数据	Remark 备注
纸基材料 Paper Base Material	食品级原生木浆 Food-grade Virgin Pulp	不含荧光剂与回收纤维 No Fluorescent Agents Or Recycled Fibers
内层涂层 Inner Coating	聚乙烯 (PE) Polyethylene (PE)	厚度15-20微米, 防水防漏 15-20µm Thickness, Waterproof & Leak-proof
重金属含量 Heavy Metal Content	≤5ppm	符合欧盟EN71-3标准 Complies with EU EN71-3
可降解性 Biodegradability	部分降解 (需工业堆肥) Partially Degradable (Industrial Compost)	符合ASTM D6400标准 Meets ASTM D6400
耐热温度 Heat Resistance	≤120°C	盛装热饮最高温度 Max Temperature For Hot Beverages
耐冷温度 Cold Resistance	≥-20°C	盛装冷饮最低温度 Min Temperature For Cold Beverages
FDA认证 FDA Certification	是 Yes	符合美国FDA 21 CFR 176.170 Complies with FDA 21 CFR 176.170

Printing & Design 印刷与设计		
Parameter Name 参数名称	Data 数据	Remark 备注
印刷面积 Printing Area	≤杯身高度的70% ≤70% of Cup Height	避免接触液体区域 Avoid liquid contact zones
印刷油墨类型 Printing Ink Type	水性环保油墨 Water-based Eco Ink	符合REACH法规 Complies with REACH
颜色牢度 Color Fastness	4级 Grade 4 (ISO 105-B02)	光照与摩擦测试结果 Light & friction test result

Product Size | 产品尺寸

Single Wall Paper Cup 单壁纸杯							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
2.5oz	51*35*48	50	20	26	20.5	29	0.0155
3oz	55*37*55	50	20	28	22.5	29	0.0183
4oz	62*45*59	50	20	31	25	29	0.0225
5oz	63*45*72	50	20	32	25.5	29	0.0237
6oz	68*50*71	50	20	34	28	29	0.0276
7oz	73*50*77	50	20	37	30	32	0.0355
7.5oz	70*45*94	50	20	35.5	28	34	0.0338
8Boz	75*52*89	50	20	38	30	34	0.0388
8oz	80*56*92	50	20	40	32.5	38	0.0494
9oz	77*52*95	50	20	39	31	37	0.0447
10oz	80*52*108	50	20	40.5	32.5	37	0.0487
10oz	90*60*95	50	20	45.5	36.5	48	0.0797
12oz	90*60*108	50	20	45.5	36.5	45.5	0.0756
16oz	90*60*134	50	20	45.5	36.5	51	0.0847
20oz	90*60*160	50	20	45.5	36.5	62	0.1030
22oz	90*60*170	50	20	45.5	36.5	62	0.1030

Hollow/Corrugated Paper Cup 中空/波纹纸杯							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
4oz	62*45*59	50	20	49.5	31	43	0.0660
7oz	73*50*77	25	20	43	38.5	30.5	0.0505
8oz	80*56*92	25	20	53	32	40	0.0678
10oz	90*60*95	25	20	46	37	37	0.0630
12oz	90*60*108	25	20	50	36.5	45.5	0.0830
16oz	90*60*134	25	20	55	36	44	0.0871

100% Food-grade virgin wood pulp

100%食品级原生木浆

*For other sizes or specifications, please contact us for more details.

*如需其他尺寸规格, 请联系我们获取详细信息





02 ICE CREAM PAPER CUP SERIES

冰淇淋纸杯系列



Product Introduction And Advantages

产品介绍与优势

①Eco-Friendly Water-Based Ink Printing with 4-5 Color Fastness (ISO 105-B02)

Non-toxic water-based ink with $\leq 0.1\text{mm}$ printing precision and 4-5 color fastness rating (ISO standard). Passes 3M tape adhesion test with no peeling or migration.



环保水性油墨印刷，色牢度达4-5级 (ISO 105-B02)
采用无毒水性油墨，印刷精度 $\leq 0.1\text{mm}$ 误差，色牢度4-5级 (ISO 标准)，通过3M胶带附着力测试，无脱落或迁移现象。

②Materials

Food-grade paper materials are used and polyethylene coating is added, which not only ensures food safety but also enhances water-proof and moisture-proof performance.



材料
采用食品级纸材，会添加聚乙烯淋膜，既确保食品安全，又能增强防水、防潮性能。

③Strong customization

Different sizes, shapes, colors and patterns can be customized according to business needs, which can better display brand characteristics and product personality, improve product added value and market competitiveness.



定制性强
可根据商家需求定制不同的尺寸、形状、颜色和图案，能更好地展示品牌特色和产品个性，提升产品附加值和市场竞争能力。



Low Temperature Resistance
And Deformation Resistance

耐低温抗变形



Various Specifications

规格多样



主要产品
Main Product



CMYK up to 8 colors printing

最高8色印刷



Please look forward to
more products.....

更多产品敬请期待.....

Ice Cream Paper Cup Series

淇淋纸杯系列

Product technical parameters | 产品技术参数

Performance Tests 性能测试		
Parameter Name 参数名称	Data 数据	Remark 备注
防漏性能 Leak Resistance	≥2小时 ≥2hr	PE层密封性测试 PE coating sealing test
耐冻性 Freeze Resistance	-40℃下无开裂 No cracking (-40℃)	24小时低温测试 24 hours low temperature test
耐油性 Grease Resistance	≥厨房三级 ≥Kitchen Grade 3	防止冰淇淋油脂渗透 Prevents ice cream grease penetration
堆叠稳定性 Stacking Stability	≥20层	空杯垂直堆叠极限 Maximum vertical stacking limit for empty cups
边缘卷曲强度 Rim Curl Strength	≥15N	防止变形或撕裂 Prevents deformation or tearing
印刷附着力 Print Adhesion	4B (划格测试) (cross-cut test)	油墨不易脱落 Ink does not peel off easily
透湿度 Moisture Permeability	≤5g/m²·24h	低透湿性保持干燥 Low permeability to maintain dryness

Material & Safety 材料与安全		
Parameter Name 参数名称	Data 数据	Remark 备注
食品接触安全认证 Food Contact Safety Certification	FDA/EU 1935/2004	符合国际食品容器标准 Complies with international food container standards
重金属含量 Heavy Metal Content	Pb<5ppm, Cd<0.5ppm	远低于国际限值 Well below international limits
荧光增白剂 Optical Brightener	未检出 ND	确保无化学迁移风险 No chemical migration risk
塑化剂检测 Phthalate Test	通过 Pass	符合REACH法规 Compliant with REACH regulations
可回收性 Recyclability	≥95%	纸基可回收, PE层需分离 Paper base recyclable; PE layer requires separation
生物降解性 Biodegradability	纸基部分:6个月内自然降解 Paper base degrades naturally within 6 months	符合EN 13432标准 EN 13432 compliant
油墨类型 Ink Type	水性环保油墨 Water-based eco-friendly ink	无苯、无重金属 Free of benzene and heavy metals.

Other Technical Parameters 其他技术参数		
Parameter Name 参数名称	Data 数据	Remark 备注
颜色偏差 Color Deviation	ΔE≤2.0	Pantone色号匹配 Matches Pantone color codes
静电控制 Static Control	表面电阻≤10^9Ω	防止灰尘吸附 Prevents dust adhesion.
热封强度 Heat Seal Strength	≥3.5N/15mm	适用于自动灌装线 Suitable for automatic filling lines
可定制化设计 Burr Rate	≤0.1%	激光切割工艺保证 Ensured by laser cutting technology
边缘毛刺率 Customization Options	Logo/图案/尺寸	支持OEM/ODM OEM/ODM supported
生产认证 Production Certification	ISO 9001, ISO 14001	质量体系保障 Quality system assurance

Product Size | 产品尺寸

Ice Cream Paper Cup Series 冰淇淋纸杯							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
1.5oz	61.5*50*40	50	20	31.5	25.4	40.5	0.0325
2oz	61.5*47.5*48	50	20	31.5	25.4	31.0	0.0249
110ml	70*58*42	50	20	36.0	39.0	54.0	0.0758
125ml	70*58*48	50	20	36.0	39.0	54.0	0.0758
160ml	70*53*69	50	20				
3oz	74*62*40	50	20	37.0	30.5	36.0	0.0406
4oz	76*62*48	50	20	38.0	32.0	38.0	0.0462
145ml	76*58*63	50	20	38.0	32.0	55.0	0.0669
160ml	77*62*53	50	20	38.0	32.0	38.0	0.0462
195ml	85*73*51	50	20	43.5	35.0	48.0	0.0731
5oz (220ml)	85*70*55	50	20	44.5	35.0	41.5	0.0647
190ml	86*74*49	50	20	44.0	35.0	47.0	0.0724
5oz90	90*73*47	50	20	46.0	37.0	38.0	0.0647
8oz90 (275ml)	90*72*60	50	20	46.0	37.0	41.0	0.0700
12oz90 (390ml)	90*72*88	50	20	46.0	37.0	52.0	0.0884
250ml	91*77*56	50	20	46.5	37.5	49.0	0.0854
4oz92 (190ml)	92*78*42	50	20	47.0	37.0	38.0	0.0660
6oz92 (230ml)	92*75*50	50	20	47.0	37.0	36.0	0.0626
8oz92 (295ml)	92*78*61	50	20	47.0	37.0	41.0	0.0713
10oz92 (365ml)	92*70*81	50	20	47.0	37.0	47.0	0.0816
12oz92 (435ml)	92*72*90	50	20	47.0	37.0	47.0	0.0816
16oz92 (520ml)	92*70*104	50	20	47.0	37.0	50.0	0.0869
6oz96 (265ml)	96*80*54	50	20	49.0	40.0	41.0	0.0804
8oz96 (300ml)	96*80*60	50	10	49.0	21.0	41.5	0.0427
350ml	101*80*66	50	20	49.0	40.0	41.0	0.0804
		50	20	51.5	41.5	50.0	0.1069
12oz101 (400ml)	101*80*75	50	10	52.5	23.0	50.0	0.0604
		50	20	50.5	40.5	50.0	0.1025
440ml	101*80*79	50	20	50.5	40.5	50.0	0.1025
16oz112 (550ml)	112*88*83	50	20	57.0	45.0	47.0	0.1206

ISO Standard food-grade ink printing

ISO 标准 食品级油墨印刷

*For other sizes or specifications, please contact us for more details.

*如需其他尺寸规格, 请联系我们获取详细信息





03 Instant Noodles Paper Cup Series

泡面纸杯系列



Product Introduction And Advantages

产品介绍与优势

① Temperature Resistance from -20°C to 120°C (EN 13432 Standard)

Cup remains intact without deformation or coating peeling within -20°C to 120°C. Passes 30 thermal cycles (-20°C/30min ↔ 120°C/30min) with stable performance.



低温耐受-20°C，高温耐受120°C (EN 13432标准)

杯体在 -20°C至 120°C范围内无变形或涂层剥离，通过 30 次热循环测试 (-20°C/30min ↔ 120°C/30min)，性能稳定。

② Heat insulation and anti-scalding

The outer thick cardboard and air insulation layer design, effectively block the heat transfer, easy to handle the hot hand, more comfortable to use.



隔热防烫

外层厚实卡纸与空气隔热层设计，有效阻隔热量传递，端拿时不易烫手，使用更安心。

③ Biodegradability Rate ≥90% in 180 Days (ASTM D5338 Standard)

Degradable PE coating achieves ≥90% biodegradation within 180 days (ASTM D5338), compliant with EU EN 13432 and North American BPI certifications.



生物降解率≥90% (180天，ASTM D5338标准)

采用可降解 PE 涂层，180 天内生物降解率≥90% (ASTM D5338)，符合欧盟 EN 13432 和北美 BPI 认证要求。



no deformation or leakage

无变形或渗漏



Raw wood pulp (unbleached)

原生木浆 (未漂白)



主要产品
Main Product



PE Coating Coverage 100%

PE涂层覆盖率100%



Please look forward to
more products……

更多产品敬请期待……

Instant Noodles Paper Cup Series

泡面纸杯系列

Product technical parameters | 产品技术参数

Performance Tests 性能测试		
Parameter Name 参数名称	Data 数据	备注 Remark
耐热温度 Heat Resistance	100°C (212°F) 持续30分钟 Last 30 minutes	适用于热饮(如汤面)无变形或渗漏 Suitable for hot liquids (e.g., noodle soup),no deformation or leakage
耐冷温度 Cold Resistance	-10°C (14°F) 持续2小时 Last 2 hours	冷藏环境下保持结构完整性 Maintains structural integrity under refrigeration
抗压强度 Compression Strength	≥50 N (垂直压力) Vertical pressure	堆叠运输时抗压能力达标 Meets vertical compression standards for stacking and transportation
防漏性 Leak Resistance	静置24小时无渗漏 Let stand for 24 hours without leakage	通过ASTM D779标准测试 Passed ASTM D779 leak resistance test
杯口卷边强度 Rim Roll Strength	≥15 N	杯口卷边设计防止变形 Reinforced rim roll prevents deformation

Material & Safety 材料与安全		
Parameter Name 参数名称	Data 数据	备注 Remark
纸浆类型 Pulp Type	原生木浆 (未漂白) Raw wood pulp (unbleached)	环保无漂白处理, 减少化学残留 Unbleached virgin wood pulp, eco-friendly with minimal chemical residue
克重 (纸基) Grammage (Base Paper)	300-320 g/m ²	高克重纸基增强结构强度 High grammage base paper enhances structural strength
PE涂层覆盖率 PE Coating Coverage	100% 覆盖 100%cover	全内壁覆盖, 确保防漏性 Full inner wall coverage ensures leak-proof performance
重金属含量 Heavy Metal Content	≤0.1 ppm (铅、镉、汞) (Lead, cadmium, mercury)	符合欧盟RoHS标准, 安全无毒 Complies with EU RoHS standards, non-toxic
荧光增白剂 Optical Brightene	未检出 ND	无荧光剂添加, 保障食品安全 No optical brighteners detected, ensures food safety

Safety And Environmental Protection 安全与环保		
Parameter Name 参数名称	Data 数据	备注 Remark
FDA认证 FDA Certification	21 CFR 176.170	符合美国食品接触材料标准 Complies with U.S. FDA standards for food contact materials
可生物降解时间 Biodegradation Time	180-240天 (工业堆肥条件) (Industrial composting conditions)	符合EN 13432标准, 环保可降解 Complies with EN 13432 standards for industrial composting

Product Size | 产品尺寸

Soup Cup, Noodle Cup Series 汤杯, 面杯系列							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
440ml	93*64*110	25	20	47.0	37	40.0	0.0696
8oz98 (300ml)	98*78*64	25	20	50.0	21	42.0	0.0441
		50	20	50.0	40	42.0	0.0840
12oz98 (370ml)	98*80*78	25	20	50.0	40	31.5	0.0630
		40	20	50.0	40	50.5	0.1010
16oz98 (450ml)	98*75*100	25	20	50.0	40	35.0	0.0700
		40	20	50.0	40	58.0	0.1160
550ml	98*77*108						
580ml	98*77*115						
600ml	101*69*116						
560ml	105*80*100	50	20	53.0	43	57.5	0.1310
700ml	107*79*120	50	20	54.5	22.5	58.0	0.0711
450ml	117*94*75	25	20	58.5	24	43.0	0.0604
600ml	117*93*86	25	20	57.5	23	53.5	0.0707
26oz (775ml)	117*93*107	25	10	60.0	47	36.0	0.1015
29oz (840ml)	117*93*120	25	20	60.0	48	36.0	0.1037
32oz (970ml)	117*93*130	25	20	60.0	47	36.0	0.1015

Safety and hygiene

安全卫生

*For other sizes or specifications, please contact us for more details

*如需其他尺寸规格, 请联系我们获取详细信息





04 Salad Paper Bowl

沙拉纸碗系列



Product Introduction And Advantages

产品介绍与优势

①Structural material

Made of food-grade paper, the inner wall is covered with a thin edible grade waterproof coating, mostly non-toxic polyethylene (PE), to ensure that moisture and sauces in salad ingredients do not penetrate.



结构材质

由食品级纸张制成，内壁覆有一层薄薄的可食用级防水涂层，多为无毒聚乙烯(PE)，确保沙拉食材中的水分和酱汁不会渗透。

②Eco-Friendly Extrusion Coating

Inner coating weight $18 \pm 2\text{g/m}^2$, certified by FDA 21 CFR 177.1520 and EU LFGB, zero risk of plasticizer migration.



环保淋膜工艺

内层淋膜克重 $18 \pm 2\text{g/m}^2$ ，通过 FDA 21 CFR 177.1520 及欧盟 LFGB 双重认证，无塑化剂迁移风险。

③Health and safety

The production strictly follows food hygiene standards, and the food-grade paper and edible waterproof coating used are non-toxic and tasteless, do not release harmful chemicals, and protect the health of consumers.



健康安全

生产严格遵循食品卫生标准，使用的食品级纸张和可食用级防水涂层无毒无味，不释放有害化学物质，保障消费者健康。



Safe, non-toxic and degradable

安全无毒、可降解



Light and portable

轻便易携



主要产品
Main Product



Not easy to leak or deform

不易渗漏或变形



Please look forward to more products.....

更多产品敬请期待.....

Salad Paper Bowl

沙拉纸碗系列

Product technical parameters | 产品技术参数

Performance Tests 性能测试		
Parameter Name 参数名称	Data 数据	Remark 备注
承重能力 Load-bearing Capacity	2.5kg	静态垂直承重极限 Static vertical load limit
抗压强度 Compressive Strength	≥15N	碗体抗变形压力值 Deformation resistance under pressure
跌落测试高度 Drop Test Height	1.2m	无破损跌落高度 No-break drop height
防漏性能 Leakage Resistance	无渗漏 (30分钟)	液体静置防漏测试 Liquid leakage test after 30 minutes
抗油脂渗透性 Grease Resistance	≥30分钟	油脂不渗透时间 Time before grease penetration
边缘硬度 Edge Stiffness	Shore A 50-60	碗口边缘硬度指数 Hardness index of bowl rim
堆叠稳定性 Stacking Stability	20层	最大安全堆叠层数 Maximum safe stacking layers
透气性 Breathability	≤5g/m² · 24h	水蒸气透过率 Water vapor transmission rate
微波安全时间 Microwave Safety Time	≤2分钟	连续加热时间限制 Continuous heating time limit

Environmental & Certification Parameters 环保与认证参数		
Parameter Name 参数名称	Data 数据	Remark 备注
可降解性 Biodegradability	180天内降解90% 90% degradation within 180 days	工业堆肥条件下降解率 Degradation rate under industrial composting
可回收性 Recyclability	是(需分离PE层) Yes (need to separate PE layer)	需专业设备分离涂层 Requires professional coating separation
食品接触安全认证 Food Contact Safety Certification	FDA 21 CFR 176.170	美国食品级认证 US food-grade certification
碳足迹 Carbon Footprint	≤0.8kg CO2e/个	单碗生产碳排放 Carbon emissions per bowl production
重金属含量 Heavy Metal Content	<0.5ppm	铅、镉等总含量 Total lead, cadmium, etc.
荧光增白剂 Fluorescent Whitening Agent	未检出 ND	符合食品包装标准 Compliant with food packaging standards
可堆肥认证 Compostable Certification	EN13432	欧盟工业堆肥标准 EU industrial composting standard

Special Functional Parameters 特殊功能参数		
Parameter Name 参数名称	Data 数据	Remark 备注
抗冷凝性能 Anti-condensation	表面无水滴 (4°C冷藏) 90% degradation within 180 days	冷藏防雾测试结果 Anti-fog test under refrigeration
密封性 Sealing Performance	水密性 (1小时) Yes (need to separate PE layer)	倒置无液体泄漏 No leakage when inverted
折叠恢复性 Fold Recovery	≥95%	受压后形状恢复率 Shape recovery rate after compression
耐酸碱性 Acid/Alkali Resistance	pH 3-10	耐受酸碱度范围 Tolerable pH range

Product Size | 产品尺寸

salad bowl series 沙拉碗系列							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
375ml	130*115*50	50	12	53.0	40.0	56.5	0.1198
450ml	150*133*45	50	6	46.0	30.5	49.0	0.0687
		50	12	60.5	46.0	49.0	0.1364
500ml	150*128*50	50	6	46.0	30.5	49.0	0.0687
		50	12	60.5	46.0	49.0	0.1364
750ml	150*128*60	50	6	46.0	30.5	49.0	0.0687
		50	12	60.5	46.0	49.0	0.1364
1000ml	150*128*75	50	6	46.0	30.5	49.0	0.0687
		50	12	60.5	46.0	49.0	0.1364
1100ml	165*143*65	50	6	50.0	33.0	55.0	0.0908
		50	12	66.0	50.0	55.0	0.1815
1300ml	165*143*75	50	6	50.0	33.0	55.0	0.0908
		50	12	66.0	50.0	55.0	0.1815
920ml	180*160*50	50	6	56.0	37.0	60.0	0.1243
1420ml	180*155*80	50	6	56.0	37.0	60.0	0.1243
950ml	185*165*50	50	6	56.0	37.0	50.0	0.1036
1100ml	185*163*58	50	6	56.0	37.0	54.0	0.1119
1200ml	185*160*65	50	6	56.0	37.0	60.0	0.1243
1250ml	185*160*70	50	6	56.0	37.0	60.0	0.1243
1750ml	185*160*90	50	6	56.0	37.0	60.0	0.1243
1000ml	200*180*50	50	6	60.5	40.5	49.0	0.1201
1600ml	203*180*63	50	4	41.0	41.0	60.0	0.1009

▪ Rectangle 长方形							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
580ml	168*120/148*100/45	50	6	37.5	36.0	50.0	0.0675
750ml	168*120/148*100/55	50	6	38.5	35.5	50.5	0.0690
880ml	168*120/145*97/65	50	6	37.5	35.5	52.5	0.0698
1000ml	168*120/145*97/75	50	6	38.5	35.5	52.5	0.0718
580ml	168*120/148*100/45	50	6	37.5	36.0	50.0	0.0675
750ml	168*120/148*100/55	50	6	38.5	35.5	50.5	0.0690
880ml	168*120/145*97/65	50	6	37.5	35.5	52.5	0.0698
1000ml	168*120/145*97/75	50	6	38.5	35.5	52.5	0.0718

▪ Square 正方形							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
500ml	132*132/114*114/50	50	6	40.0	27.5	48.5	0.0534
650ml	132*132/112*112/60	50	6	41.5	28.0	48.5	0.0564
750ml	175*175/148*148/45	50	6	53.0	35.5	52.5	0.0988
1000ml	175*175/150*150/55	50	6	53.0	35.5	54.0	0.1016
1200ml	175*175/148*148/68	50	6	53.0	35.5	54.0	0.1016
1400ml	175*175/146*146/75	50	6	53.0	35.5	54.5	0.1026

≤3%

24-hour penetration rate

≤3% 24小时渗透率

*For other sizes or specifications, please contact us for more details.

*如需其他尺寸规格,请联系我们获取详细信息



05 Cone Paper Sleeve Series

锥型纸套系列



▪ Product Introduction And Advantages

产品介绍与优势

①Tight fit, stable support

Precisely designed cone Angle, perfect fit with the ice cream cone, tightly wrapped, providing reliable support for the ice cream cone, effectively reducing the risk of shaking and tipping, whether it is hand-held walking on the street, or placed on the desktop, can be stable, so that consumers enjoy delicious.



紧密贴合，稳固支撑

精准设计的锥角，与甜筒完美适配，紧密包裹，为甜筒提供可靠支撑，有效减少晃动与倾倒风险，无论是手持漫步街头，还是放置在桌面，都能稳稳当当，让消费者安心享受美味。

②Efficient leak proof, say goodbye to sticky

High quality paper with special waterproof coating, with excellent anti-penetration performance, can quickly absorb the liquid generated by melting ice cream, prevent it from flowing down the ice cream cone, avoid dirty hands and clothes, completely solve the sticky trouble when eating ice cream cone.



高效防漏，告别黏腻

优质纸张搭配特殊防水涂层，具备出色的防渗透性能，能迅速吸收冰淇淋融化产生的液体，防止其顺着甜筒流下，避免弄脏双手和衣物，彻底解决吃甜筒时的黏腻困扰。

③Green, safe

The selection of food grade environmentally friendly paper, in line with strict hygiene standards, the production process does not add harmful chemicals, recycling, reduce environmental pollution, so that businesses can rest assured, consumers eat peace of mind.



绿色环保，安全无忧

选用食品级环保纸张，符合严格的卫生标准，生产过程中不添加有害化学物质，可回收再利用，减少环境污染，让商家用得放心，消费者吃得安心。



Low Temperature Resistance And Deformation Resistance
耐低温抗变形



Various Specifications
规格多样



主要产品
Main Product



Can Be Stored In The Freezer
可冰柜储存



Please look forward to more products.....
更多产品敬请期待.....

▪ Cone Paper Sleeve Series

锥型纸套系列

▪ Product technical parameters | 产品技术参数

▪ Basic Parameters 基础参数		
Parameter Name 参数名称	Data 数据	Remark 备注
材质 Material	食品级牛皮纸 Food-grade Kraft Paper	符合FDA标准, 无毒环保 Complies with FDA standards, non-toxic and eco-friendly
纸张克重 Paper Weight	100-160 gsm	影响杯体硬度和吸油性 Affects cup rigidity and oil absorption
防水涂层 Waterproof Coating	PE涂层, 厚度15-20μm PE coating, thickness 15-20μm	防止液体渗透 Prevents liquid leakage
锥角 Cone Angle	15°—30°	影响握持舒适度和冰淇淋容量 Affects grip comfort and ice cream capacity

▪ Product Size | 产品尺寸

▪ Conical Cup Series 锥形杯系列							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
100ml	65*95	100	50	44.2	35.2	36.3	0.0565
140ml	75*105	100	50	44.2	35.2	36.3	0.0565
200ml	85*125	100	50	44.2	35.2	36.3	0.0565
22°	38*95	100	50	42	22	22	0.0203
22°	45*110	100	50	42	22	22	0.0203
30°	58*110	100	50	48	32	32	0.0492
22°	65*167	100	50	49	33	33	0.0534
22°	50*140	100	50	44	44	22	0.0426
22°	65*167	100	50	48	48	32	0.0737
22°	70*183	100	50	53	36	37	0.0706
14°	37.5*152	100	50	60	34	27	0.0551

-20°C
Low-temperature tolerance

-20°C低温耐受

*For other sizes or specifications, please contact us for more details.

*如需其他尺寸规格, 请联系我们获取详细信息





06 procorn paper tube

爆米花纸桶系列



Product Introduction And Advantages

产品介绍与优势

① Appearance and Design

The popcorn paper bucket has a simple yet creative appearance. Its surface is exquisitely printed with bright and attractive colors, which can instantly catch consumers' eyes and stimulate their desire to purchase.



外观与设计

爆米花纸桶外观造型简约又不失创意，其表面印刷精美，色彩明艳动人，能瞬间抓住消费者眼球，激发购买欲。

② Material analysis

The main body is made of food-grade white cardboard, which is safe and pollution-free. It fully complies with the strict hygiene standards for food packaging and can be safely used with popcorn.



材质解析

主体由食品级白卡纸打造，安全无污染，完全符合食品包装严苛卫生标准，可放心接触爆米花。

③ Diverse sizes

Fully considering the demands of different scenarios, it offers a rich variety of size specifications. It can also be satisfied at family gatherings and multi-person parties.



尺寸多样

充分考虑不同场景需求，设有丰富尺寸规格。家庭聚会、多人派对时也能满足。



Meets food contact standards

符合食品接触标准



Convenient to carry

方便携带



主要产品
Main Product



Oil and moisture proof

防油防潮



Please look forward to
more products.....

更多产品敬请期待.....

Popcorn Paper Tube

爆米花纸筒系列

Product technical parameters | 产品技术参数

Performance Tests 性能测试		
Parameter Name 参数名称	Data 数据	Remark 备注
边缘抗撕裂强度 Edge Tear Resistance	≥30 N (ISO 1974)	桶口边缘抗撕裂能力, 防止使用中破损 Resistance to tearing at the opening edge during use
堆叠层数极限 Maximum Stacking Layers	20 层 (静态负载) 20 layers (static load)	仓储与运输中安全堆叠高度 Safe stacking height for logistics and storage
微波适用性 Microwave Suitability	3 分钟 (800W 功率) 3 minutes (800W power)	支持短时微波加热, 无变形或涂层剥离 Suitable for short-term microwave use without deformation
底部抗压强度 Bottom Compression Strength	≥50 kgf (GB/T 4857.4)	桶底承重能力, 防止运输中塌陷 Prevents bottom collapse during transportation
防滑设计系数 Anti-Slip Design Coefficient	摩擦系数 ≥0.4 (ASTM D1894) Friction coefficient	底部纹理设计防止滑动 Textured bottom to prevent slippage on flat surfaces
跌落测试高度 Drop Test Height	1.2 米 (满载状态) 1.2m (full load)	模拟运输跌落, 桶体无破裂 No cracks observed after simulated transportation drops
湿度适应性 Humidity Resistance	95% RH, 48 小时无变形 48 hours without deformation	高湿度环境下保持形状 Maintains shape in high humidity environments

Material & Safety 材料与安全		
Parameter Name 参数名称	Data 数据	Remark 备注
食品接触认证 Food Contact Certification	FDA 21 CFR 176.170	美国食品药品监督管理局食品级材料认证 Compliant with FDA standards for food safety
重金属含量 Heavy Metal Content	Pb/Cd/Cr <0.5 ppm (EN 71-3)	符合欧盟玩具安全标准, 无重金属迁移风险 Compliant with EU EN 71-3 for safe material composition
荧光增白剂 Optical Brighteners	未检出 ND	不添加有害化学增白成分 No harmful chemical brighteners added
可回收性 Recyclability	100% 可回收 (Lead, cadmium, mercury)	材料为纯纸基, 支持循环经济 Fully recyclable paper-based material
生物降解周期 Biodegradation Period	90-180 天 (工业堆肥条件) (Lead, cadmium, mercury)	PLA 涂层在特定条件下分解 PLA coating decomposes under industrial composting conditions
湿强度测试 Wet Strength Test	≥15 N (TAPPI T 456)	潮湿环境下仍保持结构完整性 Maintains structural integrity in humid condition
粘合剂类型 Adhesive Type	水性环保胶 Water-based environmentally friendly adhesive	无毒、无溶剂残留 Water-based non-toxic adhesive, solvent-free

Product Size | 产品尺寸

▪ Popcorn, String Bucket Series 爆米花, 串串桶系列									
Capacity 容量	Size(mm) 尺寸			Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H			pcs/bag	bags/ctn	L	W	H	CBM
28oz	107	80	135						
24oz	112	90	105						
	112	86	136						
	125	101	107						
46oz	135	105	137	50	10	68.5	28	65.5	0.1256
100oz	185	145	143						
130oz	185	143	196	40	6	56	37.5	61	0.1281
170oz	227	163	217						

Delicious companion
Popcorn paper bucket, filled with every moment of joy

美味伴侣, 爆米花纸桶, 盛装欢乐每一刻

*For other sizes or specifications, please contact us for more details.

*如需其他尺寸规格, 请联系我们获取详细信息





07 Paper Lunch Box

打包纸餐盒



Product Introduction And Advantages

产品介绍与优势

① Green and environmental protection

After use, it can be rapidly degraded in the natural environment, greatly reducing the harm to the environment. It is the best choice for the catering industry to practice the concept of environmental protection.



绿色环保

使用后能在自然环境中快速降解，大大降低对环境的危害，是餐饮行业践行环保理念的不二之选。

② Safe and worry-free

Strictly adhering to food safety standards, there are no residues of any harmful chemicals, ensuring the purity and safety of food in all aspects.



安全无忧

严格遵循食品安全标准，无任何有害化学物质残留，全方位保障食物的纯净与安全。

③ Outstanding performance

The surface has undergone special waterproof treatment to prevent leakage. Excellent heat insulation performance to prevent users from getting scalded; The paper material is tough and resistant to pressure and folding.



性能卓越

表面经特殊防水处理，防渗漏；出色的隔热性能，避免使用者被烫伤；纸材坚韧，抗压抗折。



Environmental quality paper

环保优质纸材



No fluorescent agent
harmless Substance

无荧光剂无害物质



主要产品
Main Product



Suitable for take-out, picnic
And other scenarios

适合外卖、野餐等多种场景



Please look forward to
more products.....

更多产品敬请期待.....

Paper Lunch Box

打包纸餐盒

Product technical parameters | 产品技术参数

Basic Parameters 基础参数		
Parameter Name 参数名称	Data 数据	Remark 备注
静态承重 Static Load Capacity	≥2 kg	盒底承重能力测试值 Maximum load capacity on box bottom
耐高温性能 Heat Resistance	≤85°C	可耐受最高温度 Maximum tolerable temperature
耐低温性能 Cold Resistance	≥-20°C	可耐受最低温度 Minimum tolerable temperature
防漏测试时间 Leakage Test Time	5分钟 5minutes	盛装液体后倾斜45°不漏 No leakage after 45° tilt for 5 minutes
堆叠强度 Stacking Strength	10层 10layer	垂直堆叠最大层数 Maximum vertical stacking layers

Material & Safety 材料与安全		
Parameter Name 参数名称	Data 数据	Remark 备注
防水涂层类型 Waterproof Coating	PE	PE (聚乙烯) 或 PLA (聚乳酸) 涂层 (Polyethylene) or PLA (Polylactic Acid) coating
涂层厚度 Coating Thickness	15-20 μm	防水层厚度范围 Thickness range of waterproof layer
边缘加固设计 Edge Reinforcement	双层折叠 100%cover	边缘双层折叠提升强度 Double-layer folding for edge strength
盒盖贴合度 Lid Fit	≤0.1 ppm (铅、镉、汞) (Lead, cadmium, mercury)	盒盖与盒体最大允许间隙 Maximum allowable gap between lid and body
食品接触安全认证 Food Safety Cert.	FDA/EU 1935/2004	符合国际食品接触材料标准 Compliant with international food contact standards
重金属含量 Heavy Metal Content	≤0.1 ppm	铅、镉等有害物质限量 Limit of harmful substances (e.g., Pb, Cd)

Product Size | 产品尺寸

Soup Cup, Noodle Cup Series 船型盒							
Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
1000ml	105*73/75*45/19	250	4	27	20	30	0.0162
1000ml	145*100/85*52/23	250	4	31	22	32	0.021824
1000ml	155*95/102*57/25	250	4	35	26	32.5	0.029575
500ml	182*122/105*70/30	250	2	27	18.5	36.5	0.01823175
500ml	200*144/136*90/35	250	2	33	23.5	36.5	0.02830575
500ml	215*150/168*95/50	250	2	36	26.5	41.5	0.039591

Cowhide packing box | 牛皮打包盒

Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
800ml	133*104/111*89/64	50	4	32	23	58	0.042688
1400ml	170*138/155*120/65	50	4	47	29	41	0.055883
1480ml	220*155/195*132/48	50	4	47	39	36	0.065988
2000ml	215*158/195*140/63	50	4	49	49	36	0.086436
1000ml	168*136/150*120/50	50	4	45	38	32	0.05472
700ml	150*95/140*85/50	50	4	35	34	43	0.05117
1200ml	125*120/110*105/90	50	4	52	30	52	0.08112
750ml	164*128/151*121/38	50	4	49	30	37	0.05439

Large right-angle single-window salad box, double-window salad box | 大直角单窗沙拉盒, 双窗沙拉盒

Capacity 容量	Size(mm) 尺寸	Packing 包		Carton size(cm) 包装尺寸			Volume 体积
	T/B/H	pcs/bag	bags/ctn	L	W	H	CBM
500ml	153*103/135*85/39	50	4	39	33	24	0.030888
700ml	168*118/150*100/45	50	4	40	29	40	0.0464
900ml	170*134/150*115/47	50	4	32	33	38	0.047151
1200ml	200*140/180*120/50	50	4	38	33	42	0.06885
1600ml	207*150/188*130/60	50	4	41	36	48	0.070848
2100ml	218*163/195*140/65	50	4	49	38	48	0.089376

300g/m²+18pe
Start a new green dining experience

开启绿色用餐新体验

*For other sizes or specifications, please contact us for more details.

*如需其他尺寸规格, 请联系我们获取详细信息



More Product Display Pictures

更多产品展示图

Sample Display | 样品展示

01 Plastic cup
塑料杯02 Calippo tube
挤挤杯03 Bagasse bowl
甘蔗渣碗04 Knife, fork and spoon
刀叉勺05 Paper bag, paper box
纸袋纸盒

PRODUCTION PROCESS

生产流程

With 15+ years of expertise in paper cup and bowl manufacturing, we integrate R&D, production, and logistics under FDA, FSC, ISO certifications. Using food-grade materials and water-based inks, we deliver customized designs + 48H prototyping + global shipping, empowering brands with cost-effective, eco-conscious packaging solutions.

深耕纸杯纸碗制造15年，集研发、生产、物流于一体，通过FDA、FSC、ISO认证。采用食品级原料与水性油墨，提供定制化设计+48H打样+全球直邮服务，以高性价比助力客户提升品牌价值与环保形象。



Strict Product Control
严格的产品把控



Wide Range Of Products
产品种类多



Strict Process Control
严格的工艺把控



Advanced Technology
先进的技术



Create a first-class competitive ecology Leading enterprise in environmental protection

打造具备一流竞争力的生态
环保领先企业

Management, technology dual development

管理、技术双重发展

·"Paper" Leads The Green Trend

“纸”引绿色潮流

·Dedication Of Green Paper Products

奉献绿色纸品

·Create Green Value

创造绿色价值

