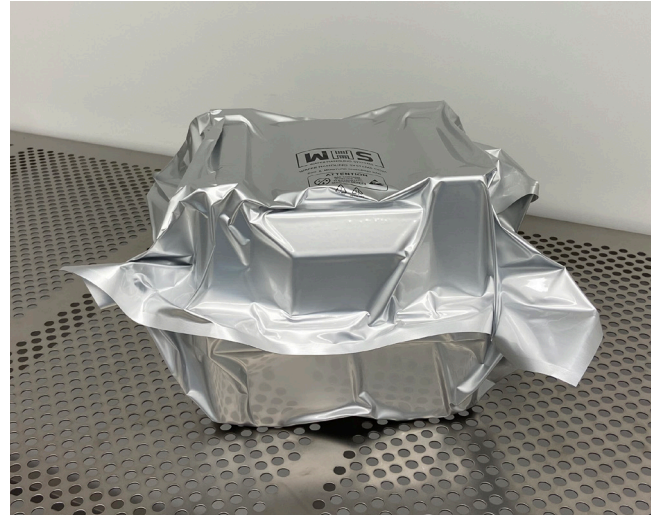


ANTISTATIC MOISTURE BARRIER BAGS

WHS-B Antistatic Moisture Barrier Bags are engineered to provide top-tier protection for wafers and sensitive electronics during storage and transport. These multi-layer bags offer advanced defense against moisture, static electricity, and contamination, ensuring product safety in demanding environments.

The multi-layer construction features Anti-static Polyester (12 µm), Aluminum foil (7 µm) for moisture protection, Nylon (15 µm) for puncture resistance, and Polyethylene (115 µm) for strength, with an additional anti-static layer for complete ESD protection. This ensures products are shielded from environmental factors and electrostatic discharge while resisting punctures.

With a low moisture transmission rate, WHS-B bags allow for extended storage without damage. Larger



sizes have a block-bottom design to reduce folds and contamination risks.

Compatible with various wafer cassette sizes, they are ideal for cleanroom use with their abrasion-resistant materials.

WHS offers short lead times and small order quantities to meet customer needs. With six standard sizes and customizable options, WHS-B bags provide flexible solutions for high-quality storage and shipping.

Manufactured in an ISO9001 certified facility and CE certified, WHS-B bags meet international standards for quality and safety, offering a cost-effective solution for safeguarding wafers and electronics in the semiconductor and electronics industries.

FEATURES AND ADVANTAGES

- Multi-layer construction for antistatic, moisture, and puncture resistance
- Made from Anti-static Polyester, Aluminum, Nylon, and Polyethylene
- Abrasion-resistant materials ideal for cleanroom environments
- Six standard sizes with custom size options available
- Short lead times and small order quantities offered

REV0202025

ANTISTATIC MOISTURE BARRIER BAGS

ITEM	SPECIFICATIONS
Material layers:	Anti-static layer Polyester (12 µm) Aluminum foil (7 µm) Nylon (15 µm) Polyethylene (115 µm) Anti-static layer
Surface resistance	10 ⁹ -10 ¹⁰ Ohm (ANSI/ESD STM11-11)
Puncture strength	96.86-112.55 N (GB/T 39588-2020)
Tensile strength	54.16-70.19% (GB/T 39588-2020)
Cleanliness	ISO 3 (Class 1 FS209E)



ORDERING INFORMATION

CODE	MODEL
WHS-B -	1001
1001	Small moisture barrier bag ESD Innersize: 150 x 185 mm
1002	Small moisture barrier bag ESD Innersize: 180 x 230 mm
3002	Small LDPE bag Innersize: 180 x 230 mm
2003	Large moisture barrier bag ESD Innersize: 260 x 320 mm
3003	Small LDPE bag Innersize: 260 x 320 mm
2004	Large moisture barrier bag ESD Innersize: 380 x 420 mm
3004	Small LDPE bag Innersize: 380 x 420 mm
2005	Large moisture barrier bag ESD Innersize: 550 x 590 mm
3005	Small LDPE bag Innersize: 550 x 590 mm
2006	Large moisture barrier bag ESD Innersize: 770 x 650 x 175 mm
3006	Small LDPE bag Innersize: 770 x 650 x 175 mm
2007	Large moisture barrier bag ESD Innersize: 620 x 650 x 175 mm

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PRODUCT COMPATIBILITY

WHS	B	MATERIAL BAGS PET OR LDPE	INNER SIZE
WHS-	B-	1 = 0,08 mm PET (12 µm), Al (7 µm), NY (15 µm) & PE (45 µm)	002 = 180 x 230 mm
		3 = 0,06 mm LDPE (60 µm)	
WHS-	B-	2 = 0,15 mm PET (12 µm), Al (7 µm), NY (15 µm) & PE (115 µm)	003 = 260 x 320 mm
		3 = 0,06 mm LDPE (60 µm)	
WHS-	B-	2 = 0,15 mm PET (12 µm), Al (7 µm), NY (15 µm) & PE (115 µm)	004 = 380 x 420 mm
		3 = 0,06 mm LDPE (60 µm)	
WHS-	B-	2 = 0,15 mm PET (12 µm), Al (7 µm), NY (15 µm) & PE (115 µm)	005 = 550 x 590 mm
		3 = 0,06 mm LDPE (60 µm)	
WHS-	B-	2 = 0,15 mm PET (12 µm), Al (7 µm), NY (15 µm) & PE (115 µm)	006 = 770 x 650 x 175 mm
		3 = 0,06 mm LDPE (60 µm)	
WHS-	B-	2 = 0,15 mm PET (12 µm), Al (7 µm), NY (15 µm) & PE (115 µm)	007 = 620 x 650 x 175 mm

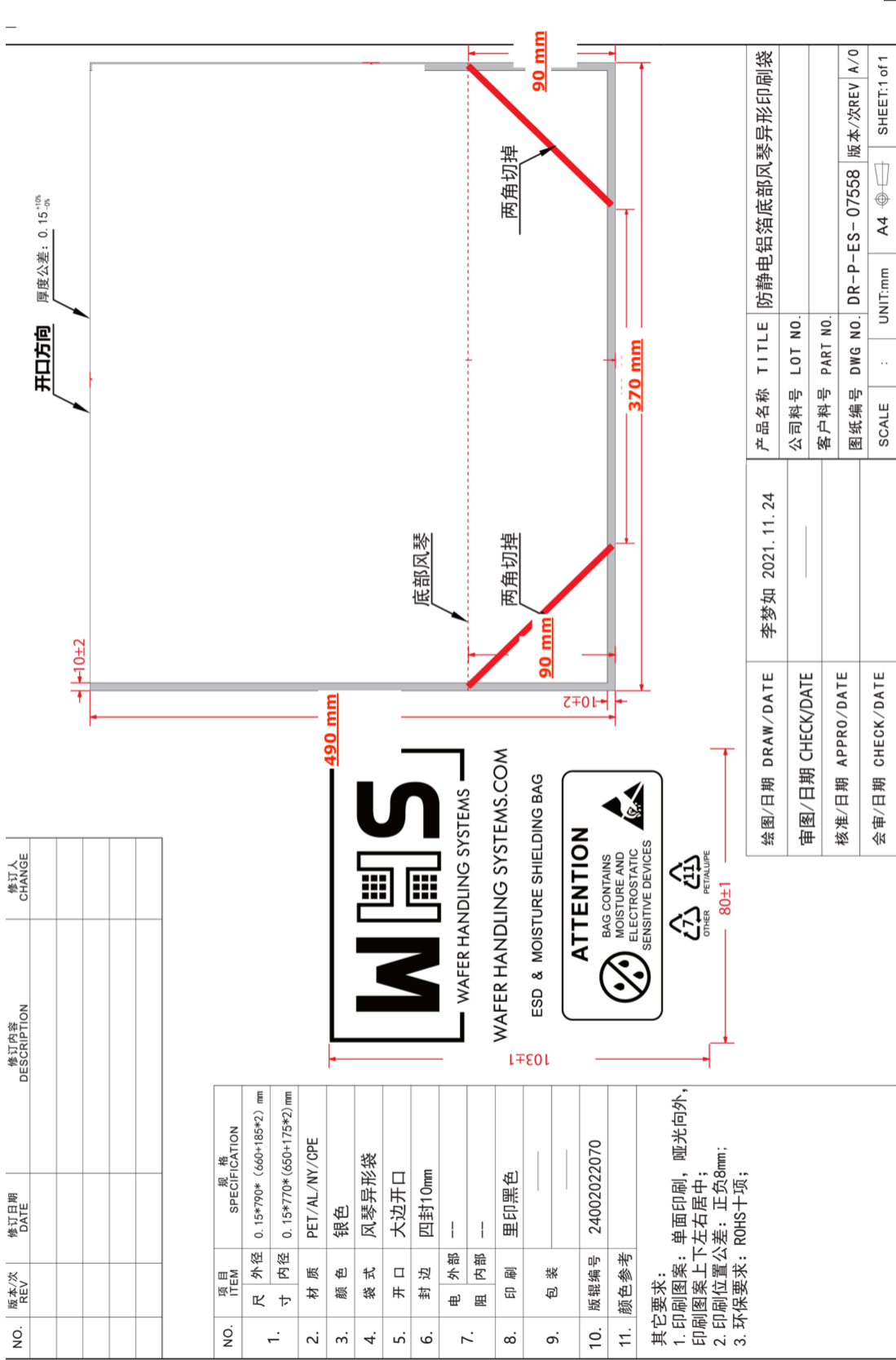
ITEM	SHIPPING PRODUCTS	EPAK PARTNUMBERS
WHS-B-1002 WHS-B-3002	Coin style shippers 1" (25 mm) up to 5" (125 mm)	eWB0091, eWB0021, eWB0022, eWB0024, eWB0060
WHS-B-1002 WHS-B-3002	Vacuum formed wafer shipping box 1" (25 mm)	eVT0404
WHS-B-2003 WHS-B-3003	Coin style shipper 6" (150 mm)	eWB0025
WHS-B-2003 WHS-B-3003	Vacuum formed wafer shipping box 2" (50 mm)	eVT0241
WHS-B-2003 WHS-B-3003	Wafer shipping boxes 1" (25 mm) up to 3" (76 mm)	eWB0302, eWB0028, eWB0029
WHS-B-2003 WHS-B-3003	Single wafer shipper 6" (150 mm)	eWB0017
WHS-B-2003 WHS-B-3003	Hoop ring shipper - 140 mm/152 mm	eVT0336, eWB0305
WHS-B-2003 WHS-B-3003	Vacuum formed wafer shipping box 3" (76 mm)	eVT0294
WHS-B-2003 WHS-B-3003	Wafer jar 4" (100 mm)	eWB0044, eWB0001

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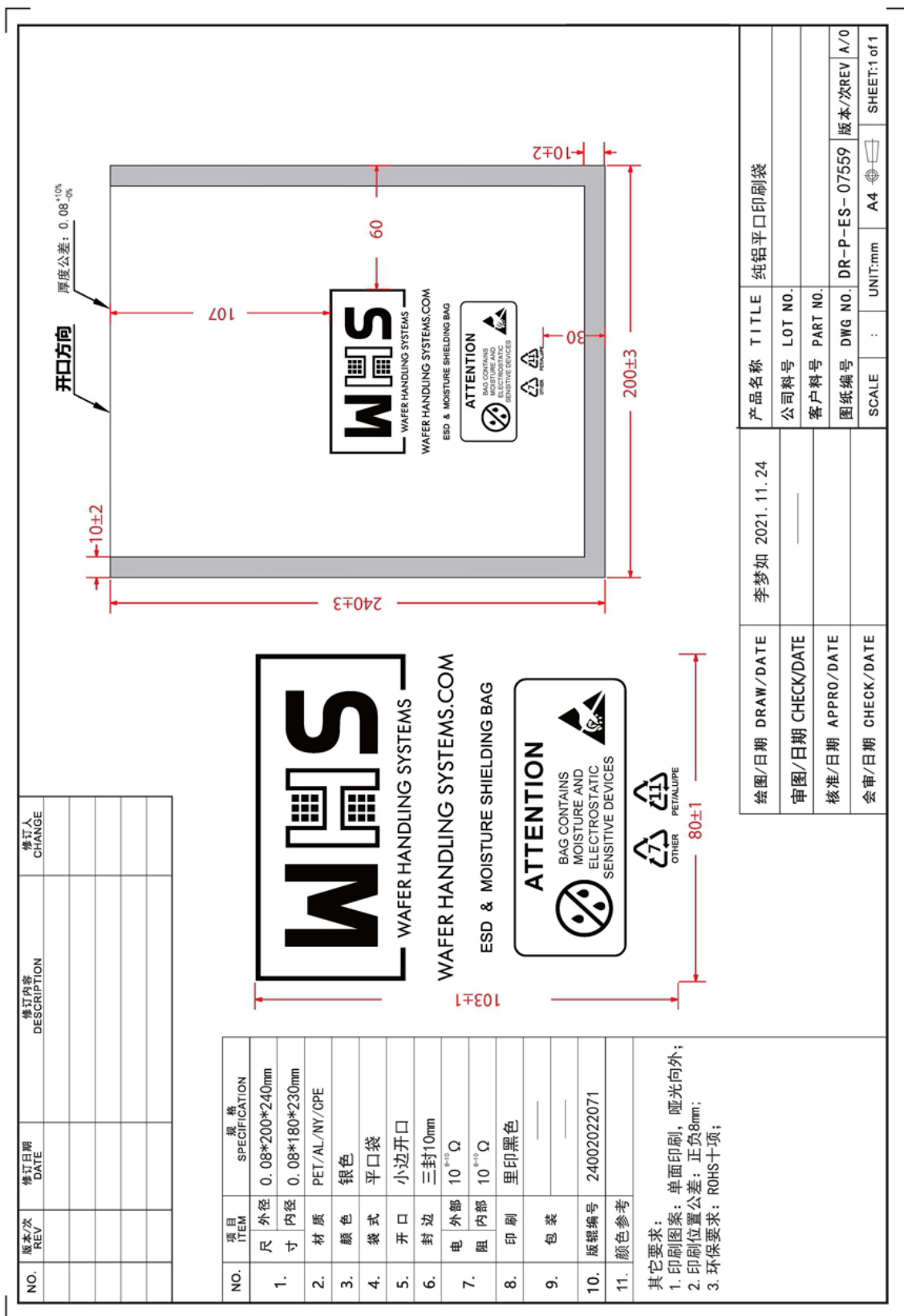
PRODUCT COMPATIBILITY

ITEM	SHIPPING PRODUCTS	EPAK PARTNUMBERS
WHS-B-2004 WHS-B-3004	eLX wafer canister 6" (150 mm) and 8" (200 mm)	eWB0435, eWB0086, eWB0018
WHS-B-2004 WHS-B-3004	Standard wafer canister 6" (150 mm) and 8" (200 mm)	eWB0102, eWB0075
WHS-B-2004 WHS-B-3004	Wafer jar internal 8" (200 mm)	eWB0010
WHS-B-2004 WHS-B-3004	Single wafer shipper 8" (200 mm)	eWB0016
WHS-B-2004 WHS-B-3004	Vacuum formed single wafer shipper 8" (200 mm)	eVT1605
WHS-B-2004 WHS-B-3004	Hoop ring shipper 195/210, 170/186 & 225/241 mm	eVT0289, eVT0939
WHS-B-2004 WHS-B-3004	Single flex frame shipper - DISCO DTF 2-6-1	eVT2253
WHS-B-2004 WHS-B-3004	ePRO wafer shipping box 4" (100 mm)	eWB0253
WHS-B-2004 WHS-B-3004	Vacuum formed wafer shipper box 4" (100 mm) and 6" (150 mm)	eVT0736, eVT0293
WHS-B-2005 WHS-B-3005	Vacuum formed wafer shipping box 12" (300 mm)	eVT1415
WHS-B-2005 WHS-B-3005	Wafer jar 12" (300 mm)	eWB0054
WHS-B-2005 WHS-B-3005	eLX wafer canister 8" (200 mm) and 12" (300 mm)	eWB0026, eWB0516
WHS-B-2005 WHS-B-3005	ePRO wafer shipping box 6" (150 mm)	eWB0209
WHS-B-2005 WHS-B-3005	Single flex frame shipper 8" (200 mm) and 12" (300 mm)	eVT1663, eVT0320
WHS-B-2005 WHS-B-3005	Single wafer shipper injection molded 12" (300 mm)	eWB0053
WHS-B-2006 WHS-B-3006	Flex frame multi shipper 12" (300 mm)	eWB0195
WHS-B-2006 WHS-B-3006	eFOUP 12" (300 mm)	eWB0685
WHS-B-2007 WHS-B-3006	eLX wafer canister 12" (300 mm)	eWB0371
WHS-B-2007 WHS-B-3006	Flex frame multi shipper 6" (150 mm) and 8" (200 mm)	eWB0591, eWB0214
WHS-B-2007 WHS-B-3006	ePRO wafer shipping box 8" (200 mm)	eWB0283

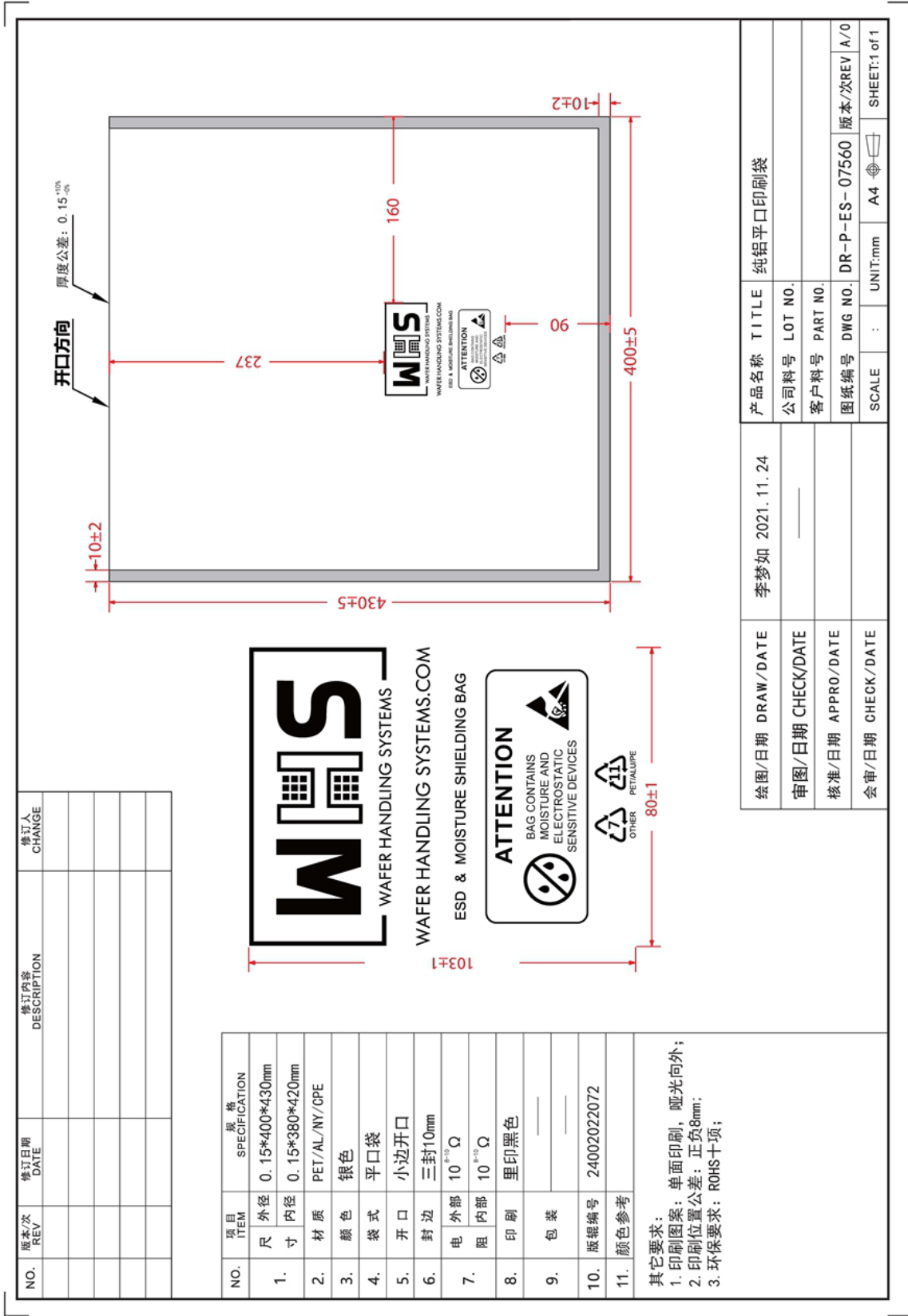
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其它要求：
 1. 印刷图案：单面印刷，哑光向外，印刷图案上下左右居中；
 2. 印刷位置公差：正负8mm；
 3. 环保要求：ROHS十项；

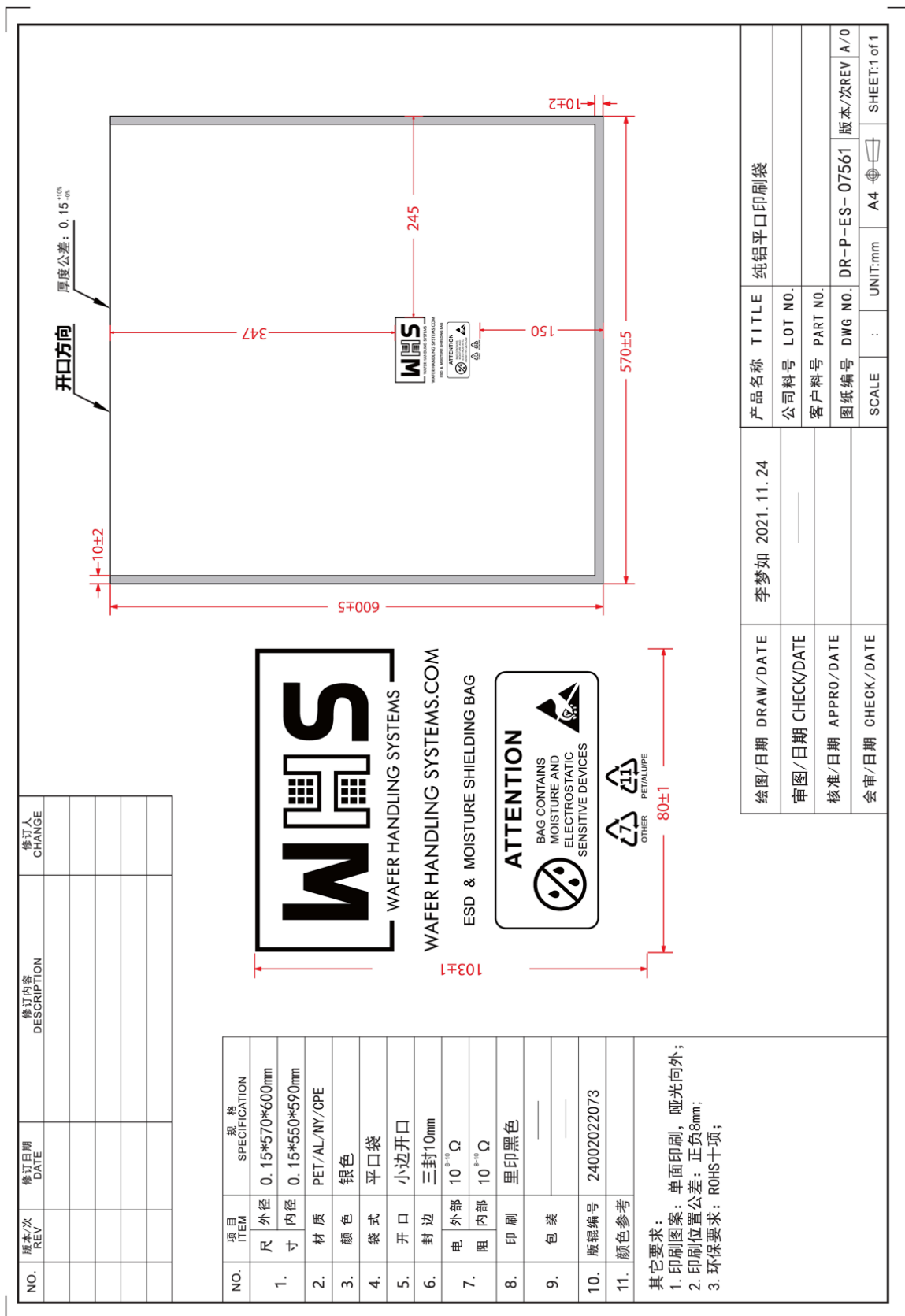


REV0202025



产品名称	TITLE	李梦如	纯铝平口印刷袋
公司料号	LOT NO.		
客户料号	PART NO.		
图纸编号	DWG NO.	DR-P-ES-07560	版本/次REV A/0
SCALE	UNIT:mm	A4	SHEET:1 of 1

绘图/日期	DRAW/DATE	2021.11.24	李梦如
审图/日期	CHECK/DATE		
核准/日期	APPRO/DATE		
会审/日期	CHECK/DATE		



REV0202025

NO.	版本次 REV	修订日期 DATE	修订内容 DESCRIPTION	修订人 CHANGE

NO.	项目 ITEM	规格 SPECIFICATION
1.	尺寸	外径 0.15*400*430mm 内径 0.15*380*420mm
2.	材质	PET/AL/NY/CPE
3.	颜色	银色
4.	袋式	平口袋
5.	开口	小边开口
6.	封边	三封10mm
7.	电阻	外部 10 ^{±0} Ω 内部 10 ^{±0} Ω
8.	印刷	里印黑色
9.	包装	
10.	版号	24002022072
11.	颜色参考	

其它要求：

- 印刷图案：单面印刷，哑光向外；
- 印刷位置公差：正负8mm；
- 环保要求：ROHS十项；

WHS
WAFAER HANDLING SYSTEMS
WAFAER HANDLING SYSTEMS.COM
ESD & MOISTURE SHIELDING BAG

ATTENTION
BAG CONTAINS
MOISTURE AND
ELECTROSTATIC
SENSITIVE DEVICES

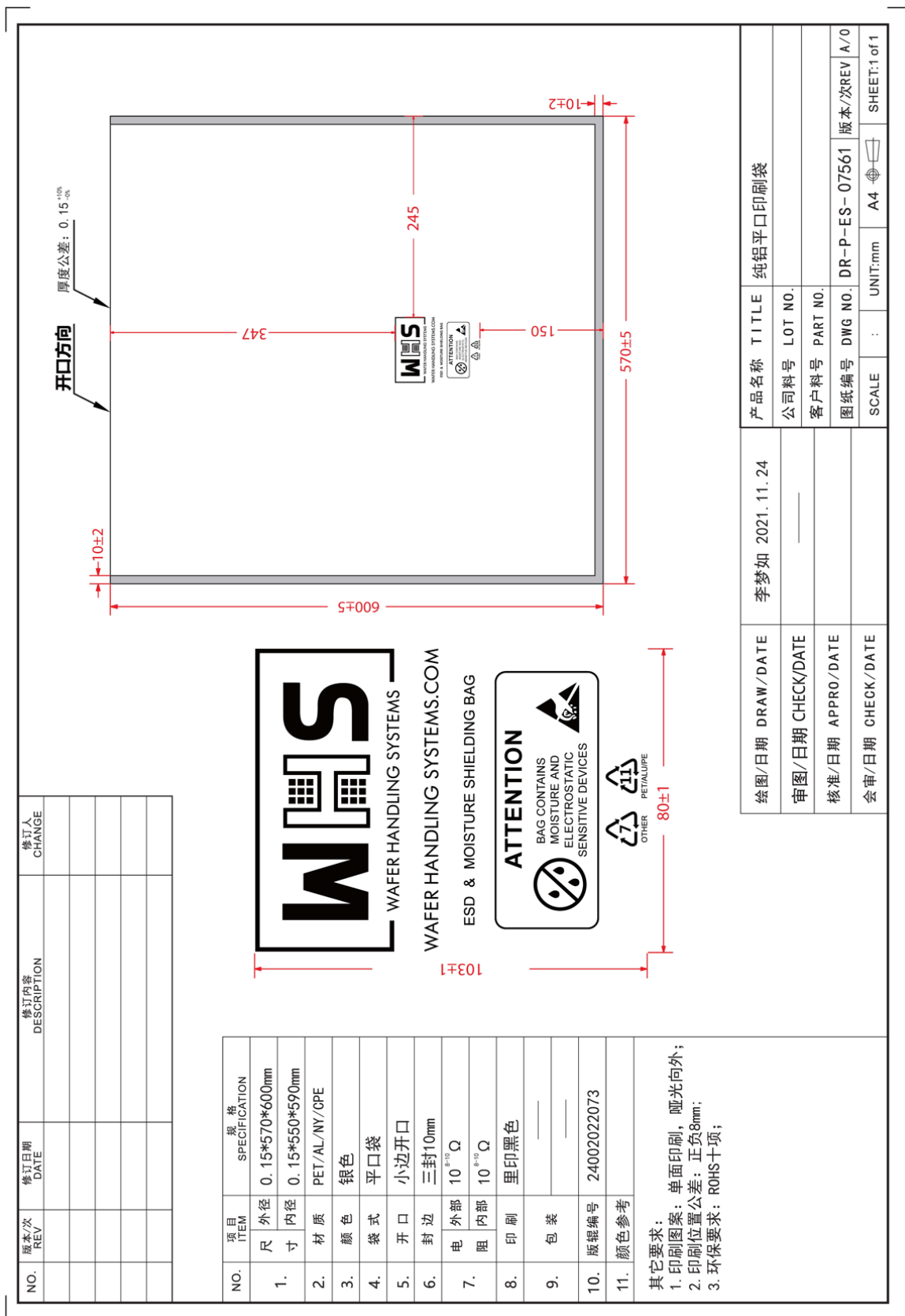
OTHER PET/AL/PE
80±1

厚度公差: 0.15^{+0.05}/_{-0.05}

开口方向

430±5 103±1 160 90 400±5 10±2

绘图/日期	DRAW/DATE	李梦如	2021.11.24	产品名称	TITLE	纯铝平口印刷袋
审图/日期	CHECK/DATE			公司料号	LOT NO.	
核准/日期	APPRO/DATE			客户料号	PART NO.	
会审/日期	CHECK/DATE			图纸编号	DWG NO.	DR-P-ES-07560
				版本/次	REV	A/0
				SCALE		
				UNIT:mm		
				A4		
				SHEET:1 of 1		



其它要求:

- 印刷图案: 单面印刷, 哑光向外;
- 印刷位置公差: 正负8mm;
- 环保要求: ROHS十项;