

Isofield Horizon Hood

Non-Sterile Cleanroom Hood

PRODUCT INFO

Hood with innovative Postbox hood design

Half-face elastic for additional comfort

Flat-top design ensures excellent forehead coverage

Class 1 for cleanliness, static-dissipative & tested against chemotherapy

Microporous polypropylene / polyethylene

60gsm, Low-linting robust fabric

APPLICATIONS

Medical device production and assembly

Cleanroom cleaning & preparation

Semiconductor & wafer fabrication

Electric vehicle (EV) & battery assembly

QUALITY ASSURANCE

Manufactured in a facility operating under ISO 9001:2015 quality management system

STORAGE & SHELF LIFE

Store in a dry, cool place (<40°C) away from direct sunlight

Do not expose open cartons to prolonged direct fluorescent light


Five (5) years from date of manufacture

CLEANROOM COMPATIBILITY

ISO Class 4 cleanroom
ISO Class 5 cleanroom
Class 10 cleanroom
Class 100 cleanroom

PACKAGING

20 pieces per inner bag,
1 inner bag per outer bag,
7 bags (140 pieces) per carton

 Aseptic Fold

PRODUCT CODE

REF 80920
UNIVERSAL SIZE

CE 2797        

MATERIAL PERFORMANCE PARAMETERS

DESCRIPTION	UNITS	METHOD	SPECIFICATION	TYPICAL
Basic Weight	g/m ²	ISO 9073-1-1989	±2	60
Machine Direction Strength	N/5cm		≥50	69
Machine Direction Elongation	%		≥100	109
Cross Direction Strength	N/5cm		≥25	43
Cross Direction Elongation	%		≥100	111
Hydrostatic Head	mmH ₂ O	ISO 811-1981	≥100	213
Air Permeability	l/m ² /S	GB/T5453	≥	2000
Surface Resistivity	Ω	ISO 9073-1-1989	/	10 ⁷

HELMKE DRUM TEST RESULT CLASS 1

PARTICLE SIZE	CUMULATIVE RELEASE RATE (COUNTS/MIN)	SPECIFICATION
≥ 0.3µm	743	less than 2,000
≥ 0.5µm	318	2,000 - 20,000

PERMEATION TEST AGAINST CHEMO DRUGS

CHEMOTHERAPY DRUGS	BREAKTHROUGH TIME	TEST METHOD
Carmustine	30 min	ASTM F739-20
Cisplatin	> 480 min	ASTM F739-20
Cyclophosphamide	> 480 min	ASTM F739-20
Doxorubicin HCl	> 480 min	ASTM F739-20
Etoposide	> 480 min	ASTM F739-20
Fluorouracil	> 480 min	ASTM F739-20
Methotrexate	> 480 min	ASTM F739-20
Paclitaxel	> 480 min	ASTM F739-20
Thiotepa	60 min	ASTM F739-20

*Results achieved under controlled laboratory conditions, by accredited ISO 17025 third party testing laboratory

TECHNICAL PROPERTIES

TEST REFERENCE	EXPLANATION	TEST RESULTS
EN 14325:2004 EN ISO 6530:2005	Repellency to chemicals	10% Sodium Hydroxide Level 3
		30% Sulphuric Acid Level 3
		O-Xylene Level 2
		Butan-1-ol Level 2
		70% Isopropyl Alcohol Level 2
		70% Ethanol Level 2
EN 14325:2004 EN ISO 6530:2005	Resistance to Penetration by chemicals	10% Sodium Hydroxide Level 3
		30% Sulphuric Acid Level 3
		O-Xylene Level 3
		Butan-1-ol Level 3
		70% Isopropyl Alcohol Level 3
		70% Ethanol Level 3
EN 14325:2004 EN ISO 9073-4:1997	Trapezoidal Tear Resistance	Machine Direction Class 2
		Cross Direction Class 2
EN 14325:2004 EN ISO 13934-1:2013	Tensile Strength	Machine Direction Class 1
		Cross Direction Class 2
EN ISO 13982- 2:2004 EN ISO 13982- 1:2004 (Type 5)	Inward Leakage of aerosols and fine particles into suits	Pass
	IL _{82/90}	0.765%
	IL _{8/10}	0.327%
EN 14325:2004 EN ISO 12947-2:2016	Abrasion Resistance	Class 2
EN 14325:2004 EN ISO 7854:1997, Method B	Flex Cracking Resistance	Class 6
EN 14325:2004 EN 863:1995	Puncture Resistance	Class 1
EN 14325:2004 [5.5]	Seam Strength	Class 2
EN 13034:2015 + A1:2009 ISO 17491-4:2008	Resistance to penetration by a spray of liquid (Spray Test)	Pass

LOADING

	EURO-PALLET	STANDARD PALLET
Pallet size	W80 L120cm	W100 L120cm
Gross weight	5.40kg	5.40kg
Carton size	W28 L43 H31cm	W28 L43 H31cm
Nett weight	4.40kg	4.40kg
Air freight pallet	Max height: 139cm Layers: 4 Cartons: 24	Max height: 139cm Layers: 4 Cartons: 32
Sea freight pallet	Max height: 170cm Layers: 5 Cartons: 30	Max height: 170cm Layers: 5 Cartons: 40

DOCUMENTATION



CERTIFICATE OF CONFORMANCE (COC)
CERTIFICATE OF ANALYSIS (COA)
CERTIFICATE OF PROCESSING (COP)

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FACTORY RELATED CERTIFICATIONS
To request ISO9001 Certificate,
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Country of Origin: **China**
HS Code: 6506109000

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