Isofield®
Protecting Life Science



Isofield Horizon ESD Overboots

Anti-Static ESD Cleanroom Overboots with Conductive Ribbon

Last updated **20 Oct 2026**

PRODUCT CODE

REF **70820**
UNIVERSAL SIZE



PRODUCT INFO

Non-marking conductive tape provides excellent dissipative properties
Conductivity of 10^5 -10^6 ohms
Slip-resistant Soles
Non-sterile Cleanroom overboots
Low levels of particle shedding
Aseptically folded for added cleanliness

CLEANROOM COMPATIBILITY

ISO Class 5 cleanroom
Class 100 cleanroom

QUALITY ASSURANCE

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

Processed in a NEBB certified ISO Class 5 cleanroom

APPLICATIONS

Medical device production and assembly
Cleanroom cleaning & preparation
Semiconductor & wafer fabrication
Electric vehicle (EV) & battery assembly
Environments requiring general static control

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

PACKAGING

10 pairs per double bag
8 sealed outer cleanroom bags
80 pairs per carton (160 pieces)

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_20	ISO 811-1981	≥100	213
Air Permeability	$l/m^2/S$	GB/T5453	≥	2000
Surface Resistivity	Ω	ISO 9073-1-1989	/	10^7
Slip Resistance	Coefficient of Friction (COF)	ASTM D1894	≥0.5	0.6 (Static) 0.5 (Dynamic)

ADDITIONAL INFO

Tear strength	1.6kg (min)
Surface resistance	10^5 -10^6 ohms

HELMKE DRUM TEST RESULT

PARTICLE SIZE	CUMULATIVE RELEASE RATE (COUNTS/MIN)	SPECIFICATION	TYPICAL
≥ 0.3µm	547	less than 2000	<400
≥ 0.5µm	222	less than 1200	<1000



ASTM F739-20 TEST METHOD

CHEMOTHERAPY DRUGS TESTED	MEAN BREAKTHROUGH TIME (MBT), MINUTES BREAKTHROUGH OF THE TEST CHEMICAL IS DEEMED TO HAVE OCCURRED WHEN THE PERMEATION RATE HAS REACHED 0.11 µG/CM²/MIN*
Carmustine	30 mins
Cisplatin	> 480 mins
Cyclophosphamide	> 480 mins
Doxorubicin HCl	> 480 mins
Etoposide	> 480 mins
Fluorouracil	> 480 mins
Methotrexate	> 480 mins
Paclitaxel	> 480 mins
Thiotepa	60 mins

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

DONNING INSTRUCTIONS



Prepare to Cuff leg by grasping elasticated opening



Carefully fold coverall leg upwards to position approx. 10cm from knee



Take Horizon ESD Overboot and unfold



Don Overboot carefully, leaving top half of boot un-cuffed



Take ESD Ribbon from inside the Overboot...



... and tuck firmly into Cleanroom sock



Ensure that there is direct contact between ESD ribbon and skin



Carefully uncuff coverall to ankle position



Carefully uncuff Overboot to knee height



LOADING

	EURO-PALLET	STANDARD PALLET
Pallet size	W80 L120cm	W100 L120cm
Gross weight	7.0kg	7.0kg
Carton size	W43 L28 H31cm	W43 L28 H31cm
Nett weight	6.0kg	6.0kg
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)

View sample of COC, COA, COP

FACTORY RELATED CERTIFICATIONS

To request ISO9001 Certificate, please email us



Made in Malaysia
HS Code: 6210109000

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EUROPE

ISOFIELD (IRELAND) LTD
Charter House, 5 Pembroke Row, Dublin 2
Dublin, D02 FW61, Ireland

ASIA

ISOFIELD SDN BHD
6 Jalan Gudang 16/9, Seksyen 16, 40200, Shah Alam,
Selangor, Malaysia, T +603 5512 1709

CONTACT

www.isofield.com
enquiries@isofield.com