



PRODUCT SPECIFICATION

DISPOSABLE HOODED COVERALL STERILE AND NON-STERILE

SureGuard **1**

PRODUCT INFORMATION

PRODUCT DESCRIPTION

Single use anti-static disposable hooded coverall.

Available in sizes: SML; MED; LGE; XLG; XXL

Available in Sterile and Non-Sterile forms

PRODUCT FEATURES

Suitable for Cytotoxic work.

CE marked to Type 5 and 6 PPE category III.

Disposable hooded coverall with latex-free elastic at hood, wrist and ankles.

Front zip closure with adhesive dual-layer covering flap.

Manufactured from white microporous polypropylene with polyethylene laminate fabric.

Reinforced underarms and crotch areas.

PACKAGING

Primary packaged in polythene bags

STERILISATION DETAILS

Where applicable sterilised by gamma irradiation (minimum 25kGy cycle)

QUALITY ASSURANCE

Product supplied under BS EN ISO 9001 registered systems

SHELF LIFE

2 years from date of manufacture for Sterile coverall

3 years from date of manufacture for Non-Sterile coverall

STORAGE CONDITIONS

Store in a dry, well ventilated area and protect from direct sunlight and heat sources.

TECHNICAL INFORMATION

Performance Characteristic				
Test	Result		Class	
Resistance to liquid penetration Spray test type 6 (EN ISO 17491-4 met. A – EN 13034)			PASS	
Resistance to aerosol penetration Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	IL _{82/90} ≤ 30% TILS _{8/10} ≤ 15%		PASS	
Nominal protection factor (EN ISO 13982-2 – EN 1073-2)	TIL _E %	% TIL _A	F _{pn}	CLASS 2
Practical performance tests (EN 1073-2)			COMPLIANT	
Electric surface resistance (EN 1149-1)	≤ 2.5 x 10 ⁹		PASS	
Seams: strength (EN ISO 13935-2)	>75 < 125 N		CLASS 3	
Resistance to penetration to liquid (EN ISO 6530 – EN 13034)	H ₂ SO ₄ 30%	<1%	CLASS 3	
	NaOH 10%:	<1%	CLASS 3	
	o-xilene	<1%	CLASS 3	
	Butan-1-ol	<1%	CLASS 3	
Repellency to liquid (EN ISO 6530 – EN 13034)	H ₂ SO ₄ 30%	>95%	CLASS 3	
	NaOH 10%:	>95%	CLASS 3	
	o-xilene	90-95%	CLASS 2	
	Butan-1-ol	90-95	CLASS 2	
Abrasion Resistance (EN 530 - method 2)	>100 < 500 cycles		CLASS 2	
Trapezoidal tear resistance (EN ISO 9073-4)	>20 < 40 N		CLASS 2	
Tensile strength (EN ISO 13934-1)	> 30 < 60 N		CLASS 1	
Puncture resistance (EN 863 - EN 13034)	>10 < 50 N		CLASS 2	
Flex cracking resistance (EN 7854)	> 100 000 cycles		CLASS 6	
Blocking resistance (EN 25978 - EN 1073-2)			NO ADHERENCE	
Bursting strength (13938-1)	> 160 < 320 kPa		CLASS 3	
Resistance to penetration by blood-borne pathogens - phi-x174 bacteriophage test (ISO 16603/16604)	20 kPa		CLASS 6	
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	60 < t ≤ 75		CLASS 5	
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	log > 5		CLASS 3	
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	≤ 1		CLASS 3	

HELMKE TEST RESULTS

The test were conducted according to IEST-RP-CC003.4

		Mean Particle per Minute	Grade I ≤2000
≥0.3um	Particle size	914	Qualified
≥0.5um	Particle size	816	Qualified

Test performed by an accredited external testing laboratory

CYTOTOXIC DRUG TESTING

The tests were conducted according to ASTM F739-20.

DRUG	Mean Breakthrough Time BT0.1 (mins)
Carmustine CAS #154-93-8	6
Cisplatin CAS #15663-27-1	>240
Cyclophosphamide CAS #50-18-0	88
Doxorubicin HCl (adriamycin) CAS #25316-40-9	>240
Etoposide CAS #33419-42-0	>240
Fluorouracil (Adrucil) CAS #51-21-8	>240
Methotrexate CAS #59-05-2	>240
Paclitaxel (Taxol) CAS #33069-62-4	>240
ThioTEPA CAS #52-24-4	6

Test performed by an accredited external testing laboratory
Results achieved under laboratory controlled conditions

RECYCLING INFORMATION

Component Name:	Component Material:	Disposal:	Guidance:
Coverall	White Microporous PP With PE Laminate With Zip and Rubber Elastic	Non-recyclable	General Waste Unless In Contact With Hazardous Material Then Treat As Hazardous Waste
Polybag	LDPE	Recyclable	Check With Local Authority
Packaging Tape	PE Tape	Non-recyclable	Remove from Cardboard Box
Box	Cardboard	Recyclable	Remove Packaging Tape
Box Label	Coated Paper With A Hot Glue Adhesive	Non-recyclable Individually	Leave On Cardboard Box

ORDERING/PACKING INFORMATION

Code	Description	Size	Pack Qty	Case Qty	Case Dimensions	Weight
DNWH04	Disposable Hooded Coverall Non-Sterile	SML MED LGE XLG XXL	1	25	320 x 280 x 450mm	4.7 - 6.4 KG
DSWH04	Disposable Hooded Coverall Sterile	SML MED LGE XLG XXL	1	25	320 x 280 x 450mm	4.7 - 6.4 KG