



SureGuard **1**

PRODUCT SPECIFICATION

DISPOSABLE HOODED COVERALL STERILE AND NON-STERILE

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.

TECHNICAL INFORMATION

PACKAGING

Primarily packaged in polythene bags and secondary packaged in a cardboard carton in a Grade C (in use) Cleanroom.

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