

Technical Data Sheet

vProtect Protective Coverall

Description

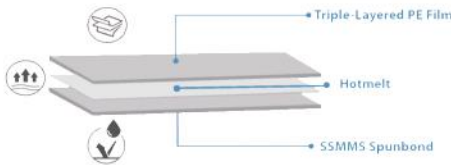
The vProtect Protective Coverall is designed to help protect against certain light liquid splashes and hazardous dusts.

The key features include:

- Constructed of a low-linting, non-woven, laminated microporous material.
- Knit cuffs with elasticized waist and ankles for increased comfort and freedom of move.
- Zipper with sealable front flap.

Materials

-Suit: Reinforced Breathable Laminated Fabric, White
28 gsm SSMMS Nonwoven + 25 gsm Triple-layered Breathable Medical PE Film + 2 gsm Hotmelt



-Zipper: Nylon on Polyester Braid

-Cuffs: Polyester

-Thread: Polyester

-Basis Weight: 55 gsm

This product does not contain components made from natural rubber latex.

Approvals

CE approved under Regulation (EU) 2016/425 , Category III.
EN 14126, Type 5&6 Certification; MNA Lab. Notified Body 2841.

TEST (REQUIREMENT)	TEST METODU (TEST METHOD)	BİRİM (UNITS)	HEDEF (TARGET)	MINİMUM (MINIMUM)	MAKSİMUM (MAXIMUM)
GSM Grammage	WSP 130.1	g/m ²	55.00	53.00	57.00
MD Mukavemet MD Tensile at Peak	WSP 110.4	N/ 25mm	44	40.0	-
MD Sürme MD Elongation at peak	WSP 110.4	%	50	35	80
CD Mukavemet CD Tensile at Peak	WSP 110.4	N/ 25mm	20.0	17.0	-
CD Sürme CD Elongation at Peak	WSP 110.4	%	65	50	80
Yapışma Kuvveti (Soyulma) Lamination Strength	WSP 401.0	N/ 25mm	1.00	0.70	-
WVTR (Mocon) Breathability (Mocon)	WSP 70.5	gr/m ² /gün	3000	2000	12000
Su Sütunu Hydrostatic Head	WSP 80.6	mmSS	2000	1800	-
Gloss Level	ASTM D2457	Gloss unit	9.0	8.0	10.0

Performance

Resistance to penetration by blood-borne pathogens –
Test method using Phi-X174 bacteriophage

PPE SPECIFICATION	PERFORMANCE LEVELS
Classification	Type 5-B, Type 6-B
Abrasion Resistance	1
Tear Resistance (Trapezoidal)	2
Tensile Strength	1
Puncture Resistance	1
Liquid Repellency	NaOH: 3, H ₂ SO ₄ : 3
Resistance To Penetration By Liquid	NaOH: 3, H ₂ SO ₄ : 3
Flex Cracking Resistance	1
Seam Strength	2
Wet Bacterial Penetration	1
Dry Microbial Penetration	1
Phi-X174 Bacteriophage	3

EN ISO 13688

TEST	RESULT	PERFORMANCE LEVEL	EVALUATION
pH value	6,98	3,5 – 9,5	PASS

EN ISO 13982-1

TEST	RESULT	PERFORMANCE LEVEL	EVALUATION
Flex Cracking resistance	500 cycles	1	PASS

EN 14126

TEST	RESULT	PERFORMANCE LEVEL	EVALUATION
Penetration by blood borne pathogens (Bacteriophage)	3,5 kPa 0 (PFU/ml)	3	PASS
Resistance to wet bacterial penetration	%0,14	1	PASS
Resistance to penetration by biologically contaminant dust	2,01 (log cfu)	1	PASS

EN 13034

TEST	RESULT	PERFORMANCE LEVEL	EVALUATION
Abrasion resistance	>10 cycles	1	PASS
Tear resistance	35,67 N	2	PASS
Tensile strength	40,47 N	1	PASS
Puncture resistance	5,87 N	1	PASS
Repellency to liquids	H2SO4: 98,4 NaOH: 99,2	3 3	PASS
Resistance to penetration by liquids	H2SO4: 0,6 NaOH: 0,8	3 3	PASS
Seam Strength	59,99 N	2	PASS

Level	Test	Result	AQL requirement (Alpha = .05)	RQL requirement (Beta = 0.10)
1	AATCC 42	≤4.5 g	4%	20%
2	AATCC 42	≤1.0 g	4%	20%
	AATCC 127	≥20 cm		
3	AATCC 42	≤1.0 g	4%	20%
	AATCC 127	≥50 cm		
4	ASTM F1671 (surgical gowns, isolation gowns and other protective apparel)	Pass	4%	20%
	ASTM F1670 (surgical drapes and drape accessories)	Pass		