DATASHEET: PRO-65 WOVEN DISPOSABLE COVERALL

CE 0624 | ISO9001 | CATEGORY 3 TYPE 5 AND 6

Description:

Leytenstone PRO-65, Type 5 and Type 6, disposable coverall protects the user's torso, arms, legs and head from the hazards of light sprays and splashes of liquid chemicals, protection against solid particulates, biological risks, and against risk of exposure to particulate radioactive contamination with antistatic performance.

Compliance & Conformity:

Performs with the requirements according to "Regulation (EU) 2016/425 of the European Parliament on Personal Protective Equipment and repealing Council Directive 89/686/EEC

EN ISO 13688:2013 **EN ISO 13982-1:2004 +A1:2010**	Protective clothing - general requirements Type 5 is intended to be used for risks of exposure to chemical products resistant to the penetration of solid articles dispersed in the air for the entire trunk
EN 13034:2005+A1:2009	Type 6 is intended to be used for exposure to a light spray, liquid aerosols or low pressure, low volume splashes, against which a complete liquid permeation barrier is not required i.e. when wearers are able to take timely adequate action when their clothing is contaminated. Type 6 protective clothing form the lowest level of chemical protection and are intended to protect from a potential exposure to small quantities of spray or accidental low volume splashes
EN 14126:2003 +AC:2004	Is intended to be used for protection against exposure to infective agents
EN 1073-2:2002	Protective clothing against radioactive contamination - Requirement and test methods for non-ventilated protective clothing against particulate radioactive contamination
EN 14325:2004	Protective clothing against chemicals - Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages
EN 1149-5:2018	Is intended to be used for electrostatic dissipative protective clothing to protect against incendiary discharges.

Sizes:

	S	M	L	XL	XXL	XXXL
Length	162	165	168	172	180	183
Chest	126	128	130	132	136	140

Specifications:

Style: Disposable full body, Type 5 and Type 6 coverall with elasticated wrists, legs and waist, hooded with a concealed HDPE (high density polyethylene) zipper front. Material: 65gsm Microporous spunbond polyethylene laminate fabric with bound seams, white colour.

Packaging:

Packed in individual polybags and sold as 50 units per carton for shipping. Store in a cool, dry place. The expected shelf life of the coverall is 5 years provided that the suit is kept in its original packaging and stored correctly.

Materials:

Description	Article	Colour	Composition	Weight
Fabric	Hood & Body	White	Microporous 52% Polypropylene, 48% Polyethylene	65g/m2
Zip	Chest	White	Teeth: Nylon; Slider: Zinc Alloys	
Elastic	Elastic waist, face opening, wrist and ankle	White	Latex strip with polyester	
Seams	Serge sewn thread	White	Nylon	

Protective clothing shall not adversely affect the health or hygiene of the users. The material shall not, in the foreseeable conditions of normal use, release substances generally known to be toxic, carcinogenic, mutagenic, allergenic, toxic to reproduction or otherwise harmful. All materials are nickel free.

Performance Testing Results:

Performance of whole suit			
Test	**Requirement**		**Result /Class/Conformity**
Resistance to liquid penetration Spray test type 6 (EN ISO 17491-4 met. A)			Pass
Resistance to aerosol penetration Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	IL82/90 ≤ 30% TILS8/10 ≤ 15%		Pass
Resistance to aerosol penetration Inward leakage EN 1073-2 (EN ISO 13982-2 – EN ISO 13982)	(TILE): 0,27 (TILA): 0.23 NpF 440		Class 2
Seams: strength (EN ISO 13935-2)	Class 6	> 500 N	Class 3
	Class 5	> 300 N	
	Class 4	> 125 N	
	Class 3	> 75 N	
	Class 2	> 50 N	
	Class 1	> 30 N	

Performance of fabric				
Test	**Requirement**		**Result /Class/Conformity**	
Resistance to penetration to liquid (EN ISO 6530 – EN 13034)	Class 3: < 1% Class 2: < 5% Class 1: < 10%		H2SO4 30%: NaOH 10%: o-xilene: Butan-1-ol:	Class 3 Class 3 Class 2 Class 1
Repellency to liquid (EN ISO 6530 – EN 13034)	Class 3: > 95% Class 2: > 90% Class 1: > 80%		H2SO4 30%: NaOH 10%: o-xilene: Butan-1-ol:	Class 3 Class 3 Class 2 Class 2
Abrasion Resistance (EN 530 - method 2)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 2000 cycles > 1500 cycles > 1000 cycles > 500 cycles > 100 cycles > 10 cycles	Class 4	
Trapezoidal tear resistance (EN ISO 9073-4)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 150 N > 100 N > 60 N > 40 N > 20 N > 10 N	Class 1	
Tensile strength (EN ISO 13934-1)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 1000 N > 500 N > 250 N > 100 N > 60 N > 30 N	Class 1	
Puncture resistance (EN 863 - EN 13034)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 250 N > 150 N > 100 N > 50 N > 10 N > 5 N	Class 2	
Flex cracking resistance (EN 7854)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 100 000 c. > 40 000 c. > 15 000 c. > 5 000 c. > 2 500 c. > 1 000 c.	Class 6	

				EN 14126:2003+AC:2004
Test	**Requirement**		**Result**	**Class/Conformity**
Resistance to penetration by blood-borne phatogens - phi-x174 bacteriophage test - ISO 16604/	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	20 kPa 14 kPa 7 kPa 3,5 kPa 1,75 kPa 0 kPa	1,75 kPa	PASS Class 2
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	t > 75 60 < t ≤ 75 45 < t ≤ 60 30 < t ≤ 45 15 < t ≤ 30 ≤ 15 min	≤ 15 min	PASS Class 1

(Continued) **EN 14126:2003+AC:2004**				
Test	**Requirement**		**Result**	**Class/Conformity**
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	Class 3	log > 5	log > 5	PASS Class 3
	Class 2	3 < log ≤ 5		
	Class 1	1 < log ≤ 3		
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	Class 3	≤ 1	1 < log ufc ≤ 2	PASS Class 2
	Class 2	1 < log ufc ≤ 2		
	Class 1	2 < log ufc ≤ 3		

			EN 1149-5:2018
Test	**Requirement**	**Result**	**Class/Conformity**
Electric Surface resistance (EN 1149-1)	≤ 2.5 x 10^9	< 2,5 x 109 Ω	PASS

EN ISO 13688:2013		
Test	**Requirement**	**Result/Class/Conformity**
pH (EN 340 – ISO 3071)	3.5 > pH > 9.5	Pass
Amines (EN 340 – ISO 3071)		N/A

Care guidelines:

					
Do not wash	**Do not dry**	**Do not bleach**	**Do not iron**	**Do not dry clean**	**Flammable fabric**