Espro

Contact us on: 01803 834266

Espro™ ES72110 Premium 60gsm Type 5/6 Coverall

The Espro™ Premium 60gsm Type 5/6 White Coverall is made from 100% polypropylene and polyethylene film, with film lamination. Our signature coverall features a zip front opening covered by a flap, elasticated at the cuffs, ankles, hood and waist.

Features

- Microporous film laminated coverall
- Offers quality and hygienic protection
- Cut and sewn seams
- Protects against chemicals and infective agents
- CE Type 5B and 6B - EN 13982-1:2004+A1:2010 (Type 5B) and EN 13034:2005+A1:2009 (Type 6B)

Suitable for

Applications across industries

- Manufacturing
- Food hygiene
- Medical and laboratories
- Automotive
- Dairy factory

Standards

CE 0624

EN ISO 13982-1:2004+ A1:2010 (TYPE 5B)

EN 13034:2005 + A1:2009 (TYPE 6B)

EN 1073-2:2002

EN 14126:2003+ AC:2004

EN 1149-5:2018

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Performance of whole suit

Test	Requirement	Result/Class/Conformity
Resistance to liquid penetration Jet/Spray test type 3/4 (EN ISO 17491-3/4 met. B - EN 14605)	-	PASS
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)	Classe 3: TIL_E % 0,3, TIL_A % 0,2, Fpn 500 Classe 2: 3, 2, 50 Classe 1: 30, 20, 5	PASS
Practical performance tests (EN 1073-2)	-	PASS
Seams: Strength (EN ISO 13935-2)	Class 6 > 500 N Class 5 > 300 N Class 4 > 125 N Class 3 > 75 N Class 2 > 50 N Class 1 > 30 N	CLASS 3
Seams: Permeation by liquids (EN ISO 6529-EN 14605)	Class 6 > 480 min Class 5 > 240 min Class 4 > 120 min Class 3 > 60 min Class 2 > 30 min Class 1 > 10 min	NA

Size	Chest (cm)	Height (cm)
S	86-94	158- 166
M	94-102	166-174
L	102-110	174-182
XL	110-118	182-190
XXL	118-129	190-198
XXXL	129-141	198-206

Performance of fabric

Test	Requirement		Result/Class/Conformity
Resistance to penetration of liquid (EN ISO 6530 - EN13034)	Class 3 Class 2 Class 1	< 1% < 5% < 10%	H_2SO_4 30%: CLASS 3 NaOH 10%: CLASS 3 o-xilene: CLASS 3 Butan- 1-ol: CLASS 3
Repellency to liquid (EN ISO 6530 – EN 13034)	Class 3 Class 2 Class 1	95% 90% 80%	H_2SO_4 30%: CLASS 3 NaOH 10%: CLASS 3 o-xilene: CLASS 2 Butan- 1-ol: CLASS 3
Abrasion Resistance (EN530 - 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 2
Trapezoidal tear resistance (EN ISO 9073-4 – EN 1073-2)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 150 N > 80 N > 40 N > 20 N > 10 N > 2 N	CLASS 3
Trapezoidal tear resistance (EN ISO 9073-4)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 150 N > 80 N > 40 N > 20 N > 20 N > 10 N	CLASS 2
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 1073-2)	Class 6 Class 5 Class 4 Class 3 Class 2	> 250 N > 150 N > 100 N > 50 N > 10 N	CLASS 2

Test	Requirement		Result/Class/Conformity
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
Blocking resistance (EN 25978 - EN 1073-2)	-		PASS
Ignition and flammability (EN 13274-4 - EN 1073-2)	-		PASS
Permeation by liquids (EN ISO 6529 - EN 14605)	Class 6 Class 5 Class 4 Class 3 Class 2 Class 1	> 480 min > 240 min > 120 min > 60 min > 30 min > 10 min	NA
Electric surface resistance / Charge decay (ANSI/ESD STM 2.1:2013 – test condition EN 1149- 1)	≤ 2.5 x 10^9 t50<4s		PASS

EN 14126:2003+AC:2004

Test	Requirement		Result/Class/Conformity
Resistance to penetration by blood-bornephatogens - phi- x174 bacteriophage test - ISO 16603/16604	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	6
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	6
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	Class 3 Class 2 Class 1	log > 5 3 < log ≤ 5 1 < log ≤ 3	3
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	Class 3 Class 2 Class 1	log > 5 3 < log ≤ 5 1 < log ≤ 3	3
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	Class 3 Class 2 Class 1	≤ 1 1 < log ufc ≤ 2 2 < log ufc ≤ 3	3

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)	-	PASS BLUE COLOUR