Benchmark | BMC-03

Limited Life Coverall - Comfort SMMS Type 5/6

Benchmark BMC-03 is a limited life coverall made from lightweight spun-bonded Polypropylene with an outer breathable film. It is designed to protect workers from hazardous substances or sensitive products and processes from contamination.

FEATURES

- Microporous laminated material
- Elasticated waist
- Overlocked stitched seams
- Inset sleeve for ease of movement
- Comfort SMS blue panel

SUITABLE APPLICATIONS

Protection against particulate hazards (Type 5) and or limited liquid splashes or sprays (Type 6) depending on the chemical toxicity and exposure conditions

- Agriculture
- Biological Hazards
- Chemical Handling
- Clean Room
- Electronics
- Hazardous Material Handling
- Paint Spraying
- Printing

ORDERING INFORMATION

Item No.

M	BMC00003AF
L	BMC00003AH
XL	BMC00003AJ
XXL	BMC00003AL
XXXL	BMC00003AN

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TECHNICAL SPECIFICATIONS

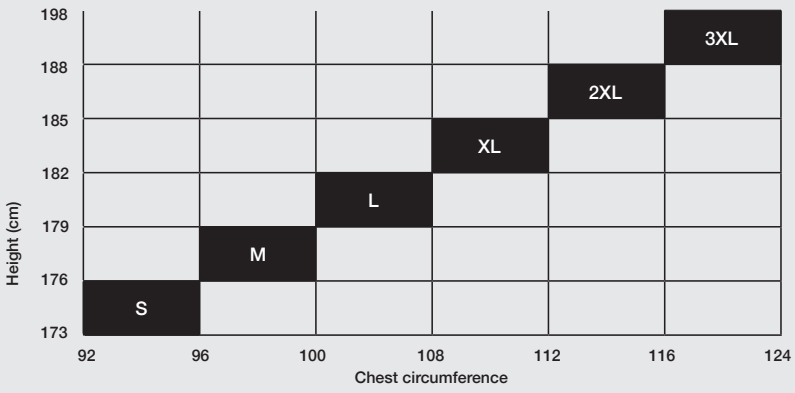
TEST ON WHOLE SUITS	RESULT	CLASSES
Resistance to liquid penetration Spray test type 6 (EN ISO 17491-4 met. A – EN 13034)		PASS
Resistance to aerosol penetration Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	Ljmn 82/90 ≤ 30% Ls 8/10 ≤ 15%	PASS
Nominal protection factor (EN ISO 13982-2 – EN 1073-2)	TIL_E %, TIL_A %, Fpn	Class 1
Practical performance tests (EN 1073-2)		PASS

ELECTROSTATIC PROPERTIES - COMPLIANCE AND RESPONSIBILITY

- Garments are anti-statically treated and comply to the electrostatic protection required by EN 1149-5, and must be used with compatible accessories and work practices to be effective.
- Electrostatic dissipative protective clothing to EN 1149-5 shall meet at least one of the following requirements. • Half Decay Time [t50] < 4s or Shielding Factor [S] > 0.2, tested according to EN 1149-3:2004, test method 2 (induction charging), or • A Surface Resistance of less than or equal to 2.5 x 109 Ω, on at least one surface, tested according to EN 1149-1.
- The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person and the earth shall be less than 108 Ω, e.g. by wearing adequate footwear.
- Electrostatic dissipative protective clothing shall not be opened or removed whilst in the presence of flammable or explosive atmospheres or while handling flammable or explosive substances.
- Fasten the garment correctly, covering all non-complying materials. Where the garment is to be earthed through the skin, ensure that the cuffs are in contact with the skin at all times.
- Electrostatic dissipative clothing shall not be used in oxygen enriched atmospheres without the prior approval of the responsible safety engineer.
- The electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination.
- Electrostatic dissipative protective clothing shall permanently cover all non-complying materials during normal use, [including bending and movements].
- Not intended to protect against mains voltage.

TEST ON FABRIC	REQUISITE	RESULT	
Resistance to penetration to liquid (EN ISO 6530 – EN 13034) MP	Class 3: < 1% Class 2: < 5% Class 1: < 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) MP	class 3: > 95% class 2: > 90% class 1: > 80%	H_2SO_4 30%:	class 3
		NaOH 10%:	class 3
		o-xilene:	class 2
		Butan-1-ol:	class 2
Resistance to penetration to liquid (EN ISO 6530 – EN 13034) SMS	Class 3: < 1% Class 2: < 5% Class 1: < 10%	H_2SO_4 30%:	class 3
		NaOH 10%:	class 3
		o-xilene:	class 0
		Butan-1-ol:	class 0
Repellency to liquid (EN ISO 6530 – EN 13034) SMS	class 3: > 95% class 2: > 90% class 1: > 80%	H_2SO_4 30%:	class 2
		NaOH 10%:	class 3
		o-xilene:	class 0
		Butan-1-ol:	class 0
Abrasion Resistance (EN 530 - method 2)	10 < c < 100 SMS 500 < c < 1000 MP	Class 1 SMS Class 3 MP	
Trapezoidal tear resistance (EN ISO 9073-4 EN 1073-2)	20 < N < 40	Class 3 MP Class 3 SMS	
Tensile strength (EN ISO 13934-1)	30 < N < 60 MP 60 < N < 100 SMS	Class 1 MP Class 2 SMS	
Puncture resistance (EN 863 - EN 1073-2)	10 < N < 50	Class 2	
Flex cracking resistance (EN 7854)	> 100 000 c. MP >5000 c. < 15000 SMS	Class 6 MP Class 3 SMS	
Blocking resistance (EN 25978 - EN 1073-2)	Only MP	Pass	
Ignition and flammability (EN 13274-4 - EN 1073-2)		Pass	
Electric surface resistance (test condition EN 1149-1)	≤ 2.5 x 109	Pass	
Resistance to penetration by bloodborne 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)	t > 75	Class 6	
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)	log ufc ≤1	Class 3	
pH (EN ISO 13688 – ISO 3071)	3.5 > pH > 9.5	Pass	
Amines (EN ISO 13688 – ISO 3071)		Pass	

SIZING Body Measurements



CERTIFICATION

EN 13034:2005 — Type 6

EN ISO 13982-1:2004 — Type 5

EN 1073-2: TIL Class 2

EN 1149-5:

EN 14126: Type 5-B: 6-B (Only on White M P Fabric)

STORAGE AND MAINTENANCE

Benchmark BMC-03 is manufactured from materials made from polypropylene. These inert polymers are proven not to degraded within 10 years. Therefore a product shelf life of 10 years should be reasonable in correct storage conditions. It is advised to keep products stored in cool, dry areas where possible and away from direct heat and sunlight.

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