Benchmark

BMC-01



Limited Life Coverall SMS - Type 5/6

Benchmark BMC-01 is a limited life coverall made from lightweight spun-bonded polypropylene. It is designed to protect workers from hazardous substances or sensitive products and processes from contamination.

FEATURES

- > SMS breathable material
- > Self-adhesive strip on storm facing
- > Elasticated waist
- Overlocked stitched seams
- > Inset sleeve for ease of movement
- Available in white or blue

CERTIFICATION



EN 13034:2005 + A1 2009

Type 6



EN ISO 13982-1:2004 + A1:2010

Type 5



EN 1073-2: 2002

TIL Class 1



73-2:

EN 1149-5

2008



COLOURS AVAILABLE



White



Blue

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.

- Aerospace
- Automotive
- Construction
- Engineering
- Manufacturing
- ManufacturiiOil and Gas
- Concreting
- Handling Oily Components
- Maintenance
- Oil Submersion
- Painting
- Wet Work

Benchmark

BMC-01

TEST ON FABRIC

Electric surface resistance

pH (EN ISO 13688 - ISO 3071)



CLASSIFICATION

Pass

Pass

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
Seams: strength (EN ISO 13935-2)	75-125 N	Class 3

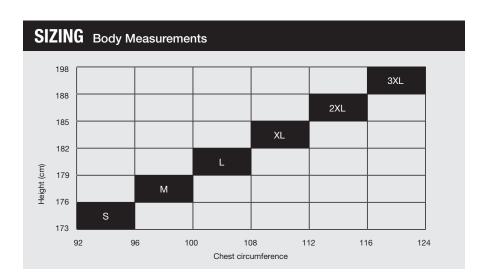
(EN ISO 17491-4 met. A – EN 13034)		17.00
Resistance to aerosol penetration ward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	Ljmn 82/90 ≤ 30% Ls 8/10 ≤ 15%	PASS
ominal protection factor (EN ISO 13982-2 - EN 1073-2)	TIL _E %, TIL _A %, Fpn	Class 1
Practical performance tests (EN 1073-2)		PASS
Seams: strength (EN ISO 13935-2)	75-125 N	Class 3
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H2SO4 30% Class 2 NaOH 10% Class 3 Resistance to penetration to liquid (EN ISO 6530 - EN 13034) o-xilene n.c. n.c. Butan-1-ol H2SO4 30% Class 3 NaOH 10% Class 3 Repellency to liquid (EN ISO 6530 - EN 13034) o-xilene n c Butan-1-ol n.c. Abrasion Resistance (EN 530 - method 2) 10-100 cycles Class 1 Trapezoidal tear resistance (EN ISO 9073-4) 20-40 N Class 2 60-100 N Class 2 Tensile strength (EN ISO 13934-1) Puncture resistance (EN 863 - EN 1073-2) 10-50 N Class 2 Flex cracking resistance (EN 7854) >15 000 < 15000 c. Class 3 Blocking resistance (EN 25978 - EN 1073-2) Ignition and flammability (EN 13274-4 - EN 1073-2) Pass

RESULT

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 $2.5 \times 109 \Omega$, 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 footween
- 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.



ORDERING INFORMATION

≤ 2.5 x 10⁹

3.5 > pH > 9.5

Item No.

WHITE	BLUE
BMC00001AF	BMC00001DF
BMC00001AH	BMC00001DH
BMC00001AJ	BMC00001DJ
BMC00001AL	BMC00001DL
BMC00001AN	BMC00001DN
	BMC00001AF BMC00001AH BMC00001AJ BMC00001AL

STORAGE AND MAINTENANCE

Benchmark BMC-01 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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