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
- Basis Weight: 55 gsm

CERTIFICATION

EN 13034:2005 + A1 2009	EN ISO 13982-1:2004 + A1:2010	EN 1073-2: 2002	EN 1149-5: 2008
Type 6	Type 5	TIL Class 1	

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
- Oil and Gas
- Concreting
- Handling Oily Components
- Maintenance
- Oil Submersion
- Painting
- Wet Work

Benchmark | BMC-01

TECHNICAL SPECIFICATIONS

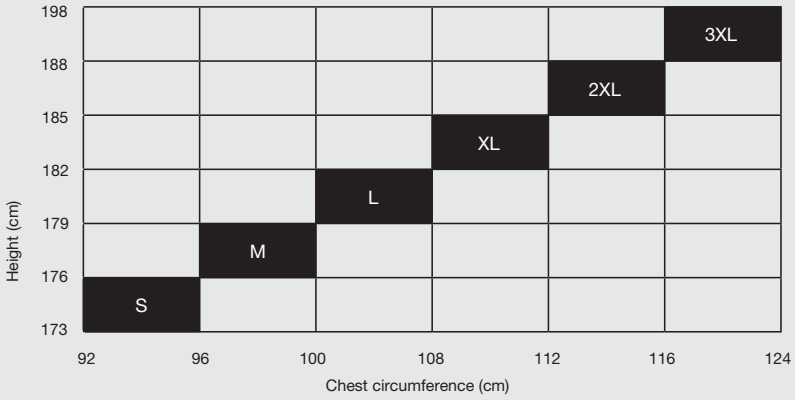
TEST ON WHOLE SUITS	RESULT	CLASSES
Resistance to liquid penetration Spray test type 6 (EN ISO 17491-4 met. A – EN 13034)		PASS
Resistance to aerosol penetration Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	Ljmn 82/90 ≤ 30% Ls 8/10 ≤ 15%	PASS
Nominal protection factor (EN ISO 13982-2 – EN 1073-2)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

TEST ON FABRIC	RESULT	CLASSIFICATION
Resistance to penetration to liquid (EN ISO 6530 – EN 13034)	H2SO4 30%	Class 2
	NaOH 10%	Class 3
	o-xilene	n.c.
	Butan-1-ol	n.c.
Repellency to liquid (EN ISO 6530 – EN 13034)	H2SO4 30%	Class 3
	NaOH 10%	Class 3
	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
Tensile strength (EN ISO 13934-1)	60-100 N	Class 2
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)		Pass
Ignition and flammability (EN 13274-4 - EN 1073-2)		Pass
Electric surface resistance	≤ 2.5 x 10^9	Pass
pH (EN ISO 13688 – ISO 3071)	3.5 > pH > 9.5	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.

SIZING Body Measurements



ORDERING INFORMATION

Item No.

	WHITE	BLUE
M	BMC00001AF	BMC00001DF
L	BMC00001AH	BMC00001DH
XL	BMC00001AJ	BMC00001DJ
XXL	BMC00001AL	BMC00001DL
XXXL	BMC00001AN	BMC00001DN

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.

EUROPE
www.globus.co.uk
E: sales@globus.co.uk
T: +44 (0)161 877 4747
F: +44 (0)161 877 4746

MIDDLE EAST AND AFRICA
www.globusgroup.com/gcc
E: gcc@globusgroup.com
T: +971 4 882 9962
F: +971 4 882 9963

Globus (Shetland) Ltd, T2 Trafford Point, Twining Road, Trafford Park, Manchester, M17 1SH, UNITED KINGDOM
Globus EMEA FZE, Jafza One, Tower A, Office 2201, Jebel Ali, PO Box 61195, Dubai, UNITED ARAB EMIRATES

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EU Type-Examination Certificate, (Module B), in accordance with Annex V of Regulation (EU) 2016/425, and subsequent amendments, issued by: Centro Tessile Cotoniera & Abbigliamento S.p.A. (CENTROCOT) Piazza S Anna 2, 21052 Busto Arsizo (VA). [N.B. No. 0624].

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