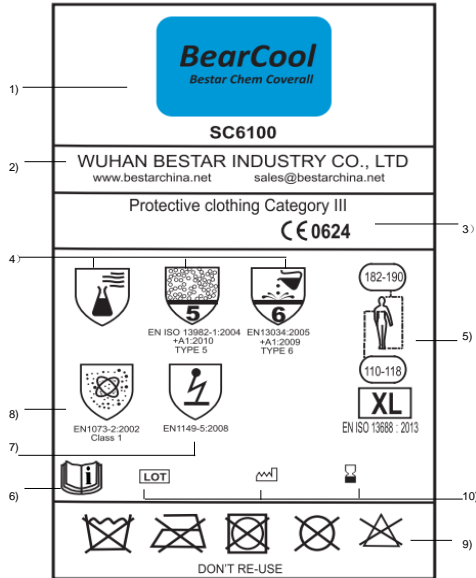




Instruction for Use

Manufacturer's information - (EN)  
acc. to Regulation (EU) 2016/425, Appendix II, 1.4, CE CAT.III



- Type 1: Gas tight clothing
- Type 2: Non gas tight clothing
- Type 3: Liquid tight clothing
- Type 4: Spray tight clothing
- Type 5: Particle tight clothing
- Type 6: Limited splash tight clothing

Wuhan Bestar Industry product SC6100/SC6101/SC6102/SC6103 specification to the protection types of European Standards BearCool SC6100/SC6101/SC6102/SC6103 coveralls offer protection type 5 and type 6.

5. The size table combines the body measurements with standard size S-XXXL. Please check your body measurement and select correct size for comfortable movement.

Size	Body measurement in cms in compliance with EN ISO 13688: 2013		Size	Chest girth	Body Height
	Chest girth	Body Height			
SM	86-94	158-166	XL	110-118	182-190
MD	94-102	166-174	XXL	118-129	190-198
LG	102-110	174-182	XXXL	129-141	198-206

6. The "open book" symbol informs the wearer to study the "Instructions for Use"

7. BearCool SC6100/SC6101/SC6102/SC6103 coveralls are antistatically treated and offer electrostatic protection according to EN1149-5

8. BearCool SC6100/SC6101/SC6102/SC6103 coveralls offer protection against particulate radioactive contamination according to EN 1073-2:2002

9. International care symbols

10. Production Lot number, Manufacture date and valid period



Performance Profile of BearCool SC6100/SC6101/SC6102/SC6103 on Fabric

Physical data	Test method	Front Microporous		Back SMS	
		Result	Class	Result	Class
Abrasion resistance	EN 530 method 2	>1500cycles	5/6	>1500cycles	3/6
Puncture resistance	EN 863	11.4N	2/6	10.5N	2/6
Flex cracking Resistance	EN ISO 7854 method B	>100,000 cycles	6/6	>100,000 cycles	6/6
Tensile Strength	EN ISO 13834-1:2013	110N warp	2/6	150N warp	3/6
		60N weft	2/6	66N weft	3/6
Trapezoidal Tear Resistance	EN ISO 9073-4	32.8N weft	3/6	31N weft	2/6
		57.9N warp	3/6	68N warp	3/6
PH value	EN ISO 3071:2006; EN ISO 13688	3.5 > pH > 9.5			
Electric surface resistance (ANSI/ESD STM 2.1:2013 – test condition EN 1149-1)	EN 1149-1	Pass		Pass	
Ignition and flammability	(EN 13274-4 - EN 1073-2)	Pass		Pass	
Blocking resistance	EN25978-EN1073-2	Pass		N/A	
Amines	EN ISO13688-ISO3071	Pass		Pass	

Penetration and repellency on fabric by liquid in accordance with UNI EN ISO 6530:2005+ UNI EN 14325:2005

Resistance to penetration	Test method	Front Microporous		Back SMS	
		Result	Class	Result	Class
H <sub>2</sub> SO <sub>4</sub> (Sulphuric acid) 30%	EN ISO 6530-EN13034	<1%	Class 3	<1%	Class 3
NaOH(Sodium hydroxide) 10%	EN ISO 6530-EN13034	<1%	Class 3	<1%	Class 3
o-xylene	EN ISO 6530-EN13034	<1%	Class 3	<1%	Class NC
Butan 1 ol	EN ISO 6530-EN13034	<1%	Class 3	<1%	Class NC

Repellency to liquid	Test method	Front Microporous		Back SMS	
		Result	Class	Result	Class
H <sub>2</sub> SO <sub>4</sub> (Sulphuric acid) 30%	EN ISO 6530-EN13034	>95%	Class 3	>95%	Class 3
NaOH(Sodium hydroxide) 10%	EN ISO 6530-EN13034	>95%	Class 3	>95%	Class 3
o-xylene	EN ISO 6530-EN13034	>90%	Class 2	>90%	Class NC
Butan 1 ol	EN ISO 6530-EN13034	>95%	Class 3	>95%	Class NC

Performance Profile of BearCool SC6100/SC6101/SC6102/SC6103 on whole suits

Tensile strength on bound seams	EN ISO 13935-2	69N	Class 2
Tensile strength on serged seams	EN ISO 13935-2	66N	Class 2
Nominal protection factor	EN ISO 13982-2 – EN 1073-2	Class 1	
Practical performance tests	EN 1073-2	Pass	
Resistance to aerosol penetration Inward leakage type 5	EN ISO 13982-2 – EN ISO 13982	Ljmn 82/90 ≤ 30% L s 8/10 ≤ 15%	Pass
Resistance to liquid penetration Spray test type 6	EN ISO 17491-4 met. A – EN 13034		Pass

PREPARATIONS BEFORE USE:

Do not use incorrect coveralls in case of aully zipper, seams or any other defect, please contact Wuhan Bestar Industry. The correct size combined with correct dressing and a closed zipper protected by flap assures the protective performance of the coverall.

LIFETIME: it is suggested to use the product within a period of five years from the date of production written on label

WARNINGS:

- 1) Choose products compatible with area of work
- 2) The disposable item must be replaced after every use
- 3) If any breaking, punctures etc. occur, leave the working area and wear new coverall.
- 4) The prolonged wearing of chemicals protective suits may cause heat stress. Heat stress and discomfort can be reduced or eliminated by using appropriate undergarments or suitable ventilation equipment
- 5) The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person and the earth shall be less than 10<sup>5</sup>Ω e.g. by wearing adequate footwear;
- 6) Electrostatic dissipative protective clothing shall not be open or removed whilst in presence of flammable or explosive atmospheres or while handling flammable or explosive substances;
- 7) Electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres without prior approval of the responsible safety engineer;
- 8) The electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination;
- 9) The method provides a measure of the inward leakage into protective clothing by dry aerosol particles (generated from a sodium chloride solution) having a mass-median aerodynamic diameter of 0,6 μm
- 10) These garments are flammable - Keep away from fire.
- 11) Abandon the place of work immediately in case of damage of the product. The user shall not take off the garment when he is still in the risk area
- 12) The user shall be the sole judge for correct combination of full body protective coverall and ancillary equipment (gloves, boots, respiratory PPE equipment etc).

Wuhan Bestar Industry cannot accept responsibility for any improper use of garments.

STORAGE AND DISPOSAL

BearCool SC6100/SC6101/SC6102/SC6103 coverall can be stored in accordance with normal storage practices, and disposed of without harm to the environment. Restrictions on disposal depend solely on contamination during use. If in doubt please contact your supplier or Wuhan Bestar Industry for the correct procedure.

EU DECLARATION OF CONFORMITY:

The Eu declaration of conformity accompanies the PPE



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