MicroMax[®] NS Cool Suit





coverall with breathable rear panel for comfort & bound seams for added protection and durability. • Superior quality MicroMax® NS microporous film laminated fabric:

Microporous film laminate Type 5 & 6 protective

- Superior quality MicroMax[®] NS microporous film laminated fabric: excellent barrier to light splashes and sprays of liquids covering critical parts of the body.
- Effective barrier against hazardous dusts.
- Breathable SafeGard[™] GP rear panel offers air permeability of 43 cubic feet per minute for wearer comfort.
- Double-sided tape to zipper cover to allow safe and secure seal over the zip.
- Bound seams offers additional protection against dust and liquid ingress and superior strength and durability... effective and cost effective.
- Breathable coverall reduces the "bellows effect" the tendency to create "sucking" of air and dust particles in through seam holes, cuffs, ankles and zip.
- Combination of blue and white offers distinctive coverall for visibility.
- Lakeland's "Super-B" style pattern : unique combination of inset sleeves, threepiece hood and "Diamond" crotch gusset – ergonomically designed for superior freedom of movement, comfort and durability.
- · Crotch gusset to reduce incidence of burst crotch and improve durability.

Physical Properties								
		MicroMax® NS /TS MicroMax®		SafeGard® GP	SafeGard® 76	Flashspun PE		
Property	EN Std	CE Class	CE Class	CE Class	CE Class	CE Class		
Abrasion Resistance	EN 530	2	1	2	2	2		
Flex Cracking	ISO 7854	4	5	5	5	6		
Trapezoidal Tear	ISO 9073	2	3	3	3	1		
Tensile Strength	EN 13934	1	1	1	1	1		
Puncture Resistance	EN 863	1	2	1	1	2		
Anti-static (Surface Resistance)	EN 1149-1	Pass* (<2.5 x 10 ⁹ Ω)	Pass* (<2.5 x 10°Ω)	Pass* (<2.5 x 10°Ω)	Pass* (<2.5 x 10°Ω	Pass* (<2.5 x 10°Ω		
Seam Strength	EN 13935-2	3	3	3	3	3		

* According to EN 1149-5

Chemical Repellency and Penetration EN 6530										
	Micro NS	Max® /TS	MicroMax [®] SafeGard [®] GP		SafeGard® 76		Flashspun PE			
Chemical	R	Р	R	Р	R	Р	R	Р	R	Р
Sulphuric Acid 30% CAS No. 67-64-1	3	3	3	3	3	3	3	3	3	3
Sodium Hydroxide CAS No. 1310-73-2	3	3	3	3	3	3	3	3	3	3
O-Xylene CAS No. 75-15-0	3	2	3	3	NT	NT	NT	NT	1	1
Butanol CAS No. 75-09-2	3	2	3	3	NT	NT	NT	NT	2	1

Breathability - measured by air permeability and moisture vapour transmission rate (MVTR)								
	MicroMax® NS/TS	MicroMax®	SafeGard® GP	SafeGard® 76	Flashspun PE	Cotton T-shirt		
Air permeability cubic feet/minute (cfm)	<0.5	<0.5	40	40	~3.3	180		
MVTR	119.3	NT	NT	NT	111.2	NT		

Infectious Agent / Biological Hazard Protection

Tested according to EN 14126. This consists of four different tests to assess protection against different forms of classification. Note these tests are on fabric only. We would always recommend a garment with sealed seams such as MicroMax[®] TS for protection against infectious agent hazards.

Test Description	Test No.	MicroMax® NS/TS	SafeGard® GP/76	Flashspun PE
Protection against blood and body fluids	ISO 16604:2004	6 (max is 6)	Not recommended	<1
Protection against biologically contaminated aerosols	ISO 22611:2003	3 (max is 3)	Not recommended	1
Protection against dry microbial contact	ISO 22612:2005	3 (max is 3)	Not recommended	1
Protection against mechanical contact with substances	EN 14126:2003	6 (max is 6)	Not	1

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MicroMax[®] NS Cool Suit Style



Style Code: EMNC428 Coverall with elasticated hood. cuffs. waist

and ankles. Breathable rear panel.

Sizes: SM - 3X

Available in: White with blue seam and blue rear panel

Air permeability is a measure of the fabric's tendency to allow air to pass through and is the best indicator of comfort. The higher the breathability, the better the comfort for the wearer. The results show that fabrics such as Microporous films (MicroMax®) and flashspun polyethylene have very low and very similar levels of

breathability; both are as close to zero as makes little practical difference. By contrast SMS fabric (SafeGard) has more than ten times the breathability and a standard cotton T-shirt has four times that of an SMS fabric.

blue seams	
ear panel	



Introduction: The Cool Suit® Principle - Breathable Protection



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