

MicroMax® NS Cool Suit



The protective suit that keeps you cool!

With its cool blue rear panel and matching blue bound seams, Lakeland's MicroMax® NS Cool Suit looks cool and keeps you cool... and protected.

Superior quality MicroMax® NS fabric protects the critical parts parts of the body - the front of the torso, arms, legs and head. Meanwhile the rear panel allows air to circulate in and out of the coverall, helping you stay cool and comfortable.

MicroMax® NS Cool Suit is just one of Lakeland's range of Cool Suits for Type 4, 5 and 6 chemical protection.

Contact sales-india@lakeland.com for more information.



MicroMax® TS Cool Suit



ChemMax® 1 Cool Suit



ChemMax® 3 Cool Suit

MicroMax® NS Cool Suit



Bound seams



TYPE 5



TYPE 6



EN 1149-1



Microporous film laminate Type 5 & 6 protective coverall with breathable rear panel for comfort & bound seams for added protection and durability.

- 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.
- 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, three-piece 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

| Property | EN Std | MicroMax® NS /TS | MicroMax® | SafeGard® GP | SafeGard® 76 | Flashspun PE |
|---------------------|----------|------------------|-----------|--------------|--------------|--------------|
| | | CE Class | CE Class | CE Class | CE Class | CE Class |
| Abrasion Resistance | EN 530 | 1 | 2 | 3 | 6 | 2 |
| Flex Cracking | ISO 7854 | 6 | 6 | 6 | 6 | 6 |
| Trapezoidal Tear | ISO 9073 | 3/2 | 4/2 | 3 | 3/2 | 1 |
| Tensile Strength | EN 13934 | 2/1 | 2 | 3 | 2/1 | 1 |
| Puncture Resistance | EN 863 | 1 | 1 | 1 | 1 | 2 |
| Burst Strength | ISO 2960 | 2 | 3 | 2 | 3 | 2 |
| Seam Strength | ISO 5082 | 3* | 3 | 3 | 3 | 3 |

Chemical Repellency and Penetration EN 6530

| Chemical | MicroMax® NS/TS | | MicroMax® | | SafeGard® GP | | SafeGard® 76 | | Flashspun PE | |
|------------------------------------------|-----------------|---|-----------|---|--------------|----|--------------|----|--------------|---|
| | R | P | R | P | R | P | R | P | R | P |
| Sulphuric Acid 30% CAS No. 67-64-1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Hydrochloric Acid 10% CAS No. 70-05-8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| O-Xylene CAS No. 75-15-0 | 3 | 2 | 3 | 2 | NT | NT | NT | NT | 1 | 1 |
| Butanol CAS No. 75-09-2 | 3 | 2 | 3 | 2 | NT | NT | NT | NT | 2 | 1 |

Breathability - measured by air permeability and moisture vapour transmission rate (MVTR)

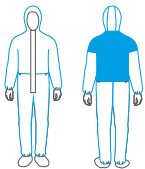
| | MicroMax® NS/TS | MicroMax® | SafeGard® GP | SafeGard® 76 | Flashspun PE | Cotton T-shirt |
|------------------------------------------|-----------------|-----------|--------------|--------------|--------------|----------------|
| Air permeability cubic feet/minute (cfm) | <0.5 | <0.5 | 40 | 40 | ~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 containing contaminated liquids | EN 14126:2003 Annex A | 6 (max is 6) | Not recommended | 1 |

MicroMax® NS Cool Suit Style



Style Code: EMNC428
Coverall with elasticated hood, cuffs, waist and ankles. Breathable rear panel.
Sizes: S - XXXL

Available in: White with blue bound seams and blue breathable 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.

Areas shaded green indicate where MicroMax® is equal to or better than the other fabric options.

* MicroMax® TS seams are stitched and taped and achieve a seam test result of Class 3.