

MicroMax®



Stitched & Bound seams



fabric only



Tougher fabric for more demanding applications



Standard microporous film laminate features a single microporous PE film laminated to a spunbond PP layer.



MicroMax® features an additional scrim between the layers to add strength and durability, making a tougher product than other fabrics of this type for more demanding applications.

Unique microporous film laminate with “rip-stop” scrim between layers for added strength and durability.

- Addition of unique scrim results in highest tear strength in its class – tougher and more durable for more demanding environments.
- Stitched and bound exterior seams to enhance strength and particle filtration at seams.
- Soft and flexible high quality microporous film laminate offers excellent combination of protection and comfort.
- High moisture vapour transmission rate allows escape of vapour to maintain comfort.
- Fabric passes all tests in EN 14126 infectious agent standard. However, we recommend only garments featuring sealed seams such as MicroMax® TS should be used for biological hazards.
- Non-linting film surface combined with taped seams makes MicroMax® ideal for many clean room applications.
- Lakeland “Super-B” ergonomic styling – unique combination of three design elements to optimise fit, durability and freedom of movement.
- Three piece hood for rounder head shape and greater comfort.
- Inset sleeves – torso shaped to body to maximise freedom of movement and negate the need for thumbloops.
- Two piece crotch gusset – enhances freedom of movement and reduced crotch splitting.

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	3	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	EN 13938	2	3	2	3	2
Seam Strength	EN 13935-2	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
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	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)

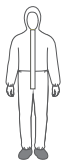
	MicroMax® NS/TS	MicroMax®	SafeGard® GP	SafeGard® 76	Flashspun PE	Cotton T-shirt
Air permeability cubic feet/minute (cfm)	<0.5	<0.5	40	40	~3.3	180
MVTR	119.3	NT	NT	NT	111.2	NT

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.

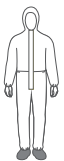
Test Description	Test No.	MicroMax® NS/TS	SafeGard® GP/76	Flashspun PE
Protection against blood and body fluids	ISO 16604:2004	6 (max is 6)	Not recommended	<1
Protection against biologically contaminated aerosols	ISO 22611:2003	3 (max is 3)	Not recommended	1
Protection against dry microbial contact	ISO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



Style code 428
Coverall with elasticated hood, cuffs, waist & ankles.

Sizes: S - XXXL



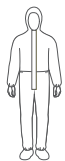
Style code L428
Coverall with elasticated hood, cuffs with thumb loops, waist & ankles.

Sizes: S - XXXL



Style code 414
Coverall with elasticated hood, cuffs, waist and attached socks.

Sizes: S - XXXL



Style code L414
Coverall with elasticated hood, cuffs with thumb loops, waist, ankles and attached socks.

Sizes: S - XXXL



Available in: White

Not all styles are available from European stock in this fabric. Please contact our sales office for information on stock items.

Warning: whilst the MicroMax® fabric is tested against penetration of infectious agents and certified to EN 14126, we do not recommend garments with stitched seams to be used against biological hazards. Sealed seam garments, such as MicroMax® TS should be used.