

MicroMax® NS

Shoe and Foot Protection



Serged (stitched) overlapped seams



A selection of MicroMax® NS overshoes and boots for protection of the wearer and the environment.



- Soft and flexible high quality microporous film fabric combined with different sole materials for a variety of applications and environments.
- Shoe fabric (excluding soles) passes all four tests in the EN 14126 infectious agent standard. However, we recommend only garments featuring sealed seams such as MicroMax® TS should be used for biological hazards.

• Available in white.

• Four styles available:-

EMN022 - Standard overshoe with no separate sole

EMN022NS - Overshoe with textured PVC anti-slip magnolia sole

EMN022ANS - Overshoe with textured anti-slip and anti-static sole

(sole materials meets the surface resistance requirements of EN 1149-5 according to EN 1149-1 - Surface Resistance, 2.5x10⁹ Ohms at 23 °C (+/- 1) and RH 25% (+/-5%)

EMN023NS - Overboots with anti-slip soles, elasticated tops and ankle, foot ties.

• Dimensions:-

Overshoes: 31.5cm (length) x 15cm (width)

Overboots: 31.5cm (length) x 15cm (width) x 54cm (height)

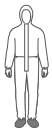
• One size only

Other MicroMax® NS Styles Available:



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

Size: SM - 3X



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

Size: SM - 3X



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

Size: SM - 3X



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

Size: SM - 3X



Style code 412
Coverall with collar, elasticated cuffs, thumb loops, waist & ankles.

Size: MD - XL



Style code 101
Lab coat with two hip pockets. 4 stud fastening.

Size: MD - XL



Style code 024
50cm sleeves with elasticated ends.

Size: One size



Style code 020
Cape hood with elasticated face opening.

Size: One size

Available in: White Orange

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

MicroMax® NS Technical Data:

All data refers to MicroMax® NS fabric only - not to sole material.

		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 ⁹ Ω)	Pass* (<2.5 x 10 ⁹ Ω)	Pass* (<2.5 x 10 ⁹ Ω)	Pass* (<2.5 x 10 ⁹ Ω)
Seam Strength	EN 13935-2	3	3	3	3	3

* According to EN 1149-5

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	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 containing contaminated liquids	EN 14126:2003 Annex A	6 (max is 6)	Not recommended	1

For more information on the selection of Type 5 & 6 coveralls use the QR code to download our 'Guide to Type 5 & 6 coverall selection'



MicroMax® NS Accessories



Serged (stitched)
overlapped
seams



A selection of MicroMax® NS accessories for flexible and comfortable protection in various applications



EMN101 - Lab Coat



EMN024 - Elasticated sleeves



EMN020 - Balaclava Hood
with elasticated face



EMN527 - Hospital Gown

- Soft and flexible high quality microporous film laminate combining the best combination of protection and comfort.
- MicroMax® NS fabric passes all four tests in the EN 14126 infectious agent standard. However, we recommend only garments featuring sealed seams such as MicroMax® TS should be used for biological hazards.
- Available in white.
- Four key styles available:-
 - EMN101 - Lab coat** with two hip pockets and 4 stud fasteners (alternative EMN101Z with zip front). Size M - XL
 - EMN024 - Elasticated sleeves**, length 50cm
 - EMN020 - Balaclava hood** with elasticated face opening. One size only
 - EMN527 - Hospital gown** with elasticated sleeves and rear ties, rear entry. Size M - XL

MicroMax® NS Technical Data:

All data refers to MicroMax® NS main fabric only

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	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 ⁹ Ω)	Pass* (<2.5 x 10 ⁹ Ω)	Pass* (<2.5 x 10 ⁹ Ω)	Pass* (<2.5 x 10 ⁹ Ω)
Seam Strength	EN 13935-2	3	3	3	3	3

* According to EN 1149-5

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	3	NT	NT	NT	NT	1	1
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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.				
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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

Other MicroMax® NS Styles Available:



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

Size: SM - 3X



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

Size: SM - 3X



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

Size: SM - 3X



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

Size: SM - 3X



Style code 412
Coverall with collar, elasticated cuffs, thumb loops, waist & ankles.

Size: MD - XL



Style code 022
Standard overshoes with elasticated top

Size: One size



Style code 022NS
Overshoes with elasticated top, anti-static sole

Size: One size



Style code 022ANS
Overshoes with elasticated top, anti-static sole

Size: One size



Style code 023NS
Overboots with elasticated top, 2 ankle ties and anti-slip sole

Size: One size

Available in: White Orange

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