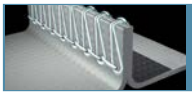
Download Certificate | Download Declaration of Conformity



Serged (stitched) overlocked seams

TYPE 6-B | EN 1149-5 | EN 14126

# MicroMax® NS
## Shoe and Foot Protection

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

EMN022 - Overshoes no sole

EMN022NS - Overshoes with anti-slip sole

EMN022ANS - Overshoes with anti-slip and anti-static sole

EMN023NS - Overboots with anti-slip sole

- 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 , 2.5x10$^9$ 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:

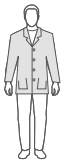
**Style code 428**
Coverall with elasticated hood, cuffs, waist & ankles.
**Sizes:** S - XXXL

**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

**Style code 412**
Coverall with collar, elasticated cuffs, thumb loops, waist & ankles.
**Size:** M - XL



**Style code 101**
Lab coat with two hip pockets. 4 stud fastening.
**Size:** M - 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 | **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 | **3** | 3 | 3 | 3 | 3 |

### Chemical Repellency and Penetration EN 6530

| | MicroMax® NS/TS | | MicroMax® | | SafeGard® GP | | SafeGard® 76 | | Flashspun PE | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Chemical** | **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 |

Download Certificate | Download Declaration of Conformity | Serged (stitched) overlocked seams | TYPE 6-B | EN 1149-5 | EN 14126

# MicroMax® NS
## Accessories

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

## Other MicroMax® NS Styles Available:

**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

**Style code 412**
Coverall with collar, elasticated cuffs, thumb loops, waist & ankles.
**Size:** M - XL

**Style code 022**
Standard overshoes with elasticated top
**Size:** One size

**Style code 022NS**
Overshoes with elasticated top, anti-slip 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.

## MicroMax® NS Technical Data:

All data refers to MicroMax® NS main fabric only

### 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 | **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 | **3** | 3 | 3 | 3 | 3 |

### Chemical Repellency and Penetration EN 6530

| | MicroMax® NS/TS | | MicroMax® | | SafeGard® GP | | SafeGard® 76 | | Flashspun PE | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Chemical** | **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

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| 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'*

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