

## MicroMax® NS Global Pattern Coveralls

Lightweight protection from dirt, grease, grime, and light chemical splash

### MicroMax® NS Features:

- **Global offering** – great for multinational companies
- **Global standardized testing and certification** (CE Certified Type 5/6)
- 4 sizing options simplify ordering and reduces inventory requirements– (SM/MD, LG/XL, 2X/3X, 4X/5X)
- Anti-Stat (EN1149-1)
- Infectious agent/biological hazard protection (EN14126)
- Chemical repellency and penetration (ISO6530 and ASTM F903)
- Exceeds ANSI 101-2014 size and label requirements for limited use and disposable coveralls

### MicroMax® NS Global Pattern Coveralls Compare MNSG428, MNSG417, and MNSG414

Feature	MNSG428	MNSG417	MNSG414
White 55 gsm	•	•	•
CE Type 5/6 certified	•	•	•
Serged seam	•	•	•
Bulk packed 25/cs	•	•	•
Combination (dual) sizing	•	•	•
Configuration			
Respirator fit hood	•		•
Zipper front with storm flap	•	•	•
Elastic back	•	•	•
Elastic Wrists	•	•	•
Elastic Ankles	•	•	
Non-skid boots			•



### Applications

Dry particulate and light chemical splash protection for:

- Automotive and aerospace
- Paint booth operations
- Abatement markets
- Remediation
- General maintenance applications
- Infectious agents/biological hazards



## MicroMax® NS 55gsm Microporous Film Type 5/6 Disposable Coveralls Fabric Tests

Test	Test Standard	Test Results	Units	CE Class	Imperial
Abrasion	EN530 method A	>100<500	Cycles	2	
Flex Cracking	ISO7854 method B	>15K<40K	Cycles	4	
Trapezoidal Tear	ISO9073-4	53.51md/30.98xd	N	3md/2xd	12.0md/7xd (lb)
Tensile Strength	ISO13934-1	82md/49xd	N	2md/1xd	18.4md/11xd (lb)
Puncture Resistance	EN863	9	N	1	2 (lb)
Seam Strength	ISO13935-2	89	N	3	20 (lb)
Anti-static Properties	EN1149-1	<2.5*10^9	Ohms	PASS	
Repellency – Sulfuric Acid 30%	ISO6530	97.1	%	3	Max is 3
Repellency – Sodium Hydroxide 10%	ISO6530	97.3	%	3	Max is 3
Repellency – Hydrochloric Acid 30%	ISO6530	97.4	%	3	Max is 3
Repellency – Butan-1-ol	ISO6530	98.2	%	3	Max is 3
Repellency – O-xylene	ISO6530	96	%	3	Max is 3
Repellency – N-heptane	ISO6530	88.7	%	2	Max is 3
Repellency – Isopropanol	ISO6530	92.6	%	3	Max is 3
Repellency - Diazinon (Round Up)	ISO6530	96.7	%	3	Max is 3
Repellency - Sod. Hypochlorite 10%	ISO6530	94.6	%	3	Max is 3
Penetration - Sulfuric Acid 30%	ISO6530	0	%	3	Max is 3
Penetration - Sodium Hydroxide 10%	ISO6530	0	%	3	Max is 3
Penetration Hydrochloric acid 30%	ISO6530	0	%	3	Max is 3
Penetration - Butan-1-ol	ISO6530	0	%	3	Max is 3
Penetration - O-xylene	ISO6530	0	%	3	Max is 3
Penetration - N-heptane	ISO6530	0.2	%	3	Max is 3
Penetration – Isopropanol	ISO6530	0.1	%	3	Max is 3
Penetration - Diazinon (Round Up)	ISO6530	0	%	3	Max is 3
Penetration - Sod. Hypochlorite 10%	ISO6530	0	%	3	Max is 3
Wet bacterial pen	EN14126 (ISO22610)	PASS		6	Max is 6
Biologically contaminated aerosols	EN14126 (ISO22611)	PASS		3	Max is 3
Protection against dry microbial contact	EN14126 (ISO22612)	PASS		3	Max is 3
Blood-borne pathogens	EN14126 (ISO16604)	PASS		6	Max is 6

### ASTM F903 Testing

Test	Test Standard	Result	Units
Motor oil weight	ASTM F903	100 %	> 60 minutes
Bleach	ASTM F903	100%	> 60 minutes
Isocyanate based paint	ASTM F903	100 %	> 60 minutes
Round-Up	ASTM F903	100 %	> 60 minutes
Sodium Hydroxide	ASTM F903	50 %	> 60 minutes
Synthetic Blood Penetration	ASTM F1670	%	> 60 minutes
Viral Penetration Resistance	ASTM F1671	%	PASS

### Type 5 and 6 Disposable Coveralls – Full Suit Tests

Test	Test Standard	Result
Type 6	EN13034	PASS
Type 5	ENISO13982-2	PASS
Radioactive Particulates	EN1073-2	PASS

### Type 5 and 6 Disposable Coveralls – Extra Tests

Test	Test Standard	Result	Units
Hydrostatic head	ISO811	168.6	CM
	AATCC TM127-2017	>15,000	Pa
	(2018)e	>150	CM
Particle Filtration Efficiency	ASTM F2299-17	>99% 0.1 – 0.12 µm	µm
MVTR	E96 Method D	54.97	g/m <sup>2</sup> /hour

