

# Technical Data Sheet

## Micromax NS Coolsuit

<b>Product Description</b>	Lightweight disposable coverall for type 5 and 6 applications
<b>Material</b>	65 gsm microporous film laminate, with 55 gsm SMMS polypropylene back panel
<b>Standard style</b>	Coverall with Hood, elastic waist wrists and ankles. Features a Safeguard 76 panel on the back
<b>Seam Type</b>	Stitched and bound with blue CPE fabric
<b>Colour</b>	White with blue panel on the back.

CE Standards	Description	Micromax NS	Safeguard 76
EN 340: 2002	Protective Clothing: General Requirements	Yes	Yes
EN 13034: 2004	Protection from reduced Spray of liquid chemicals - Type 6	Yes	Yes
EN 13982: 2004	Protection from hazardous dry particles - Type 5	Yes	Yes
EN 14065: 2005	Liquid Chemical protection : Garments with spray tight seams - Type 4	N/A	N/A
EN 14065: 2005	Liquid Chemical Protection : Garments with liquid tight seams - Type 3	N/A	N/A
EN 1149-1: 2005	Anti-static requirements (Surface Resistance)	Yes	Yes
EN 1073: 2002	Protection from radiation contaminated particulates	Yes	Yes
EN 14126: 2003	Protection against infective agents (tested on fabric only)	Yes	No

Physical Properties			NS	SG 76	NS	SG 76	Particle Barrier - Aloxite Method *		
Test No	Description	Units	Result	Result	EN Class	EN Class	Particle Size	% Penetration MicroMAX NS	% Penetration Safeguard 76
EN 530	Abrasion Resistance	cycles	>10<100	>10<100	1	1	1.0 - 1.5 mu	0	3.65
EN 863	Puncture Resistance	N	6.2	6.1	1	1	1.5 - 2.0 mu	0.28	1.92
ISO 2960	Bursting strength	KN/M <sup>2</sup>	50.9	-	1	-	2.0 - 2.5 mu	0.48	0.70
ISO 7854	Flex Cracking Resistance	cycles	>115<40K	>100k	4	6	2.5 - 3.0 mu	0	0.48
ASI 9073	Trapezoidal Tear Strength md/cd	N	40.6/16.7	47.6/24.5	3/1	3/2	3.0 - 3.5 mu	0	0.31
EN 5082	Seam Strength	N	88.8	120.73	3	3	> 3.5 mu	0	0.25
ERT 140.1	Air permeability	L/M <sup>2</sup> /s	-	400	-	-	* Applies to fabric only * Anomalies can occur if particles coagulate downstream of the fabric and are counted as larger particles		

Liquid Chemical Repellency and Permeation			Micromax NS	Safeguard 76	Micromax NS	Safeguard 76
Test No	Description	Chemical	Repellency %	Repellency %	Penetration %	Penetration %
EN 368	Chemical Repellency (For Type 6 garments)	Sulphuric Acid 30%	97.7	95.5	0	0
		Sodium Hydroxide 10%	99.1	97.6	0	0
		Hydrochloric Acid	-	97.4	0	-
			-	-	-	-

For a list of further chemicals tested please see product leaflets and information

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