



Microgard® 1500 Coverall, Model 138

Coverall with 3-piece hood, elasticated wrists, waist & ankles. 2-way front zipper and re-sealable storm flap.

Part Number:	WH15-S-00-138 (White) NV15-S-00-138 (Navy) RD15-S-00-138 (Red)
Seam Type:	Overlocked
CE Category:	Cat III

Fabric Details

SMS (Spunbond/Meltblown/Spunbond) Polypropylene

EN14325 Physical Tests Results	White	Navy	Red	EN Class
EN 530 Abrasion	10	10	10	1 of 6
EN ISO 7854 Flex Cracking	15,000	15,000	15,000	4 of 6
EN ISO 9073-4 Tear Resistance (MD)	22.6N	>20N	>20N	2 of 6
EN ISO 9073-4 Tear Resistance (CD)	28.8N	>20N	>20N	2 of 6
EN ISO 13934-1 Tensile Strength (MD)	96.3N	103N	100N	1 of 6
EN ISO 13934-1 Tensile Strength (CD)	58.7N	59.9N	55.4N	
EN 863 Puncture Resistance	9.87N	>5N	>5N	1 of 6
EN 13274-4 Resistance to ignition	Pass	Pass	Pass	-
ISO 13935-2 Seam Strength	109.9N	137N	113.6N	3 of 6

Fabric Filtration Efficiency

Particle Size 0.3-0.5µm	98.7%
Particle Size 0.5-1.0µm	99.2%
Particle Size 1.0-3.0µm	99.7%
Particle Size 3.0-5.0µm	100%
Particle Size >5.0µm	100%

*Testing conducted on white fabric using JIS test method

Whole Suit "TYPE" Testing

EN ISO 13982-1 Type 5	Pass
EN 13034 Type 6	Pass





Fabric Repellence & Penetration Resistance to Liquid Chemicals	White %	Navy %	Red %	EN Class
Repellence of Liquids - 30% Sulphuric Acid	99.1	97.8	97.6	3 of 3
Repellence of Liquids - 10% Sodium Hydroxide	97.5	99.2	97.5	3 of 3
Repellence of Liquids - n-heptane (undiluted)	0.0	0.0	0.0	0 of 3
Repellence of Liquids - Isopropanol	23.1	0.0	0.0	0 of 3
Resistance to penetration by liquids – 30% Sulphuric Acid	0.0	0.0	0.0	3 of 3
Resistance to penetration by liquids – 10% Sodium Hydroxide	0.0	0.0	0.0	3 of 3
Resistance to penetration by liquids – n-heptane (undiluted)	26.6	25.7	24.0	0 of 3
Resistance to penetration by liquids – Isopropanol	19.5	22.4	21.5	0 of 3



WH15-S-00-138



NV15-S-00-138



RD15-S-00-138

Safety Note: All chemical tests and breakthrough times given relate to laboratory tests on fabrics only. Seams and closures may have lower breakthrough times, particularly when worn or damaged. It is the user's responsibility to select an appropriate garment, gloves, boots and other equipment for the particular use. The user shall be responsible for determining how long the garment can be worn for the particular use and whether it can be suitably cleaned for re-use. Microgard Limited does not give any warranties or make any representations about its garments other than those contained in the official literature supplied by Microgard Limited with each garment.