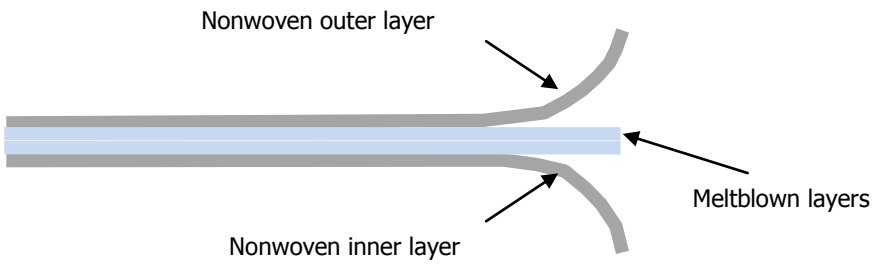
MICROGARD® 1500 PLUS FR Fabric Data Sheet



Basic Description:	SMMS (Spunbond, Meltblown, Meltblown, Spunbond) Polypropylene with flame retardant and anti-static treatments
Basis Weight:	54gsm
Colour:	White

Fabric Physical Test Results		
Test Method	**Result**	**EN Class (EN 14325: 2004)**
Abrasion Resistance EN530 Method 2	>10	1 of 6
Flex ISO 7854 Method B	>100,000	6 of 6
Tear Resistance EN ISO 9073-4 (MD)	>40N	2 of 6
Tear Resistance EN ISO 9073-4 (CD)	>20N	
Tensile Strength ISO 13934-1 (MD)	>100N	2 of 6
Tensile Strength ISO 13934-1 (CD)	>60N	
Puncture Resistance EN 863	>5N	1 of 6
Tear Resistance EN ISO 13937-2	>10N	-
Resistance to Blocking EN 25978	No blocking	
Surface Resistance EN 1149-1	$<2.5 \times 10^{9}$	
Charge Decay EN 1149-3	Pass	
Flammability Testing EN ISO 15025 Procedure A	Index 1/0/0	

Chemical Repellence EN ISO 6530		
Chemical	**Result**	**EN Class**
30% Sulphuric Acid	>90%	2 of 3
10% Sodium Hydroxide	>95%	3 of 3
Chemical Penetration EN ISO 6530		
Chemical	**Result**	**EN Class**
30% Sulphuric Acid	<1%	3 of 3
10% Sodium Hydroxide	<1%	3 of 3

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.

MICROGARD®

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Technical Data Sheet

MICROGARD® 1500 PLUS FR, Model 111

Part Number(s): WR17-S-00-111

Fabric: MICROGARD® 1500 PLUS FR

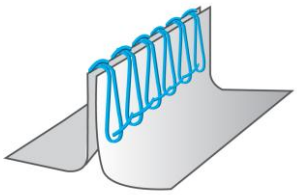
Seam Type: Stitched (Red Colour)

Product Description & Features	CE Category
Coverall with 3-piece hood, elasticated wrists, finger loops, waist and ankles. 2-way front zipper with re-sealable storm flap.	Cat III

Whole Suit Test Results		
Test Method	**Description**	**Result**
EN ISO 13982-2	Type 5 Particulate Inward Leakage*	Ljmn, 82/90 ≤ 30% Ls, 8/10 ≤ 15%
EN 13034	Type 6 Reduced Spray Test*	Pass
EN 1073-2	Inward leakage test for non-ventilated protective clothing against particulate radioactive contamination*	Class 1 of 3
EN ISO 13935-2	Seam Strength	Class 3 of 6

* Test performed with wrists, cuffs, ankles and hood taped to ancillary PPE with the storm flap closed and sealed

CE Approvals	
EN ISO 13982-1: 2004 +A1:2010	**Type 5** (Limited life, full body protection against airborne solid particulates)
EN 13034: 2005+A1: 2009	**Type 6** (Limited life, full body limited chemical protective clothing against liquids)
EN 1073-2: 2002	Non-ventilated protective clothing against particulate radioactive contamination
EN ISO 14116: 2008	Protective clothing. Protection against heat and flame. Limited flame spread materials, material assemblies and clothing (Index 1/0/0)
EN1149-5: 2008	Protective clothing with electrostatic dissipative properties



Stitched Seams

Combining strength with particle barrier

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