

Microgard 2500 Plus – Technical Data Sheet

Fabric Details	App. Weight
Microporous PP Laminate	63gsm

EN14325 Fabric Physical Test Results	
EN 530 Abrasion	100
EN ISO 7854 Flex Cracking	40,000
EN ISO 9073-4 Tear Resistance (MD)	43.1N
EN ISO 9073-4 Tear Resistance (CD)	35.7N
EN ISO 13934-1 Tensile Strength (MD)	122.8N
EN ISO 13934-1 Tensile Strength (CD)	113.5N
EN 863 Puncture Resistance	15.23N
EN ISO 13938-1 Burst Resistance	110.7kPa
EN 13274-4 Resistance to ignition	Pass
EN 1149-1 Anti-static	Pass
BS EN 20811 Hydrostatic Head (water pressure test)	>250cm

EN14126 Fabric Barrier to Infective Agents	
ISO 16603 Resistance to penetration by blood/fluids under pressure	Pass to 20kPa Class 6 of 6
ISO 16604 Resistance to penetration by blood borne pathogens	Pass to 20kPa Class 6 of 6
EN ISO 22610 Resistance to wet bacterial penetration (mechanical contact)	No penetration (up to 75 mins) Class 6 of 6
ISO/DIS 22611 Resistance to biologically contaminated aerosols	No penetration Class 3 of 3
ISO 22612 Resistance to dry microbial penetration	No penetration Class 3 of 3

EN ISO 6529 Chemical Permeation – 1.0µg/cm ² /min Permeation Rate		
<i>The 15 standard chemicals specified by EN14325: 2004*</i>		
Chemical Name	Cas Number	Normalised Breakthrough Time (minutes)
Acetone	67-64-1	Immediate
Acetonitrile	75-05-8	Immediate
Ammonia Gas	7664-41-7	Immediate
Carbon Disulfide	75-15-0	5
Chlorine Gas (99.5%)	7782-50-5	Immediate
Dichloromethane	75-09-02	Immediate
Diethylamine	109-89-7	Immediate
Ethyl Acetate	141-78-6	Immediate
n-hexane	110-54-3	Immediate
Hydrochloric Acid (37%)	7647-01-0	Immediate
Methanol	67-56-1	Immediate
Sodium Hydroxide (30%)	1310-73-2	>480
Sulphuric Acid (98%)	7664-93-9	>480
Tetrahydrofuran	109-99-9	Immediate
Toluene	108-88-3	Immediate

* For information on specific chemicals please contact Microgard or your distributor. All chemical tests and breakthrough times quoted relate to laboratory tests on fabrics only. Seams and closures may have lower breakthrough times – particularly when worn or damaged. The final determination of suitability is the user's responsibility.

Whole Suit Type Test Results	
EN 14605 Type 3	Pass
EN 14605 Type 4	Pass
EN ISO 13982-1 (&2)Type 5	Pass <10% TIL
EN 1073-2 Barrier to Radioactive particulates	Pass - Class1
ISO 13935-2 Seam Strength	>150N