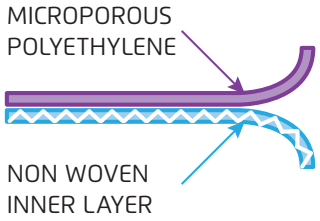
Fabric Technical Data Sheet

SERIES 250

CHEMDEFEND
PROTECTIVE CLOTHING

EN1073-2 EN1149-5 EN14126/03 TYPE 5B TYPE 6B TYPE 5 TYPE 6

Fabric Description	**Microporous Polyethylene (PE) Laminate**
Fabric Weight	**60 gsm**
Colour Options	**White**



Fabric Physical Tests according to EN 14325: 2004

Test Method	Result	EN Class
Abrasion Resistance EN530 Method 2	>500 <1,000 cycles	3 of 6
Flex ISO 7854 Method B	>5,000 <15,000 cycles	3 of 6
Tear Resistance EN ISO 9073-4 (MD)	79.5 N	4 of 6
Tear Resistance EN ISO 9073-4 (CD)	34.3 N	2 of 6
Tensile Strength ISO 13934-1 (MD)	110.0 N	3 of 6
Tensile Strength ISO 13934-1 (CD)	41.0 N	1 of 6
Puncture Resistance EN 863	9.0 N	1 of 6

Other Physical Performance Data

Description	Result
BS EN 20811 Resistance to Water Penetration	>14 kPa
ISO 13938-1 Bursting Resistance	157 kPa Class 2 of 6
EN 25978 Resistance to Blocking	No Blocking
EN1149-5: 2008 Electrostatic Surface Resistance	PASS – Half Decay t50 = 0.01s and R = 1.5 x 10^8 Ω

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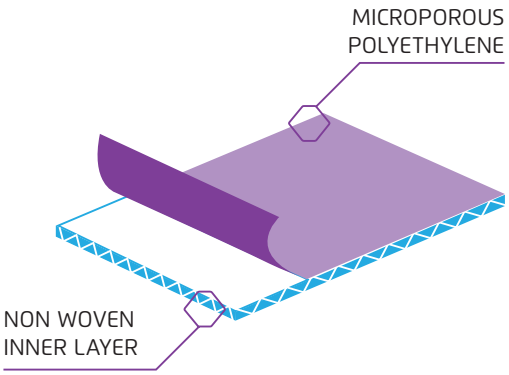
Fabric Chemical Repellence EN ISO 6530		
Chemical	**Result**	**EN Class**
30% Sulphuric Acid	97.3%	3 of 3
10% Sodium Hydroxide	98.0%	3 of 3
o-Xylene	94.3%	2 of 3
Butan-1-ol	96.9%	3 of 3

Fabric Chemical Penetration EN ISO 6530		
Chemical	**Result**	**EN Class**
30% Sulphuric Acid	0.0%	3 of 3
10% Sodium Hydroxide	0.0%	3 of 3
o-Xylene	0.2%	3 of 3
Butan-1-ol	0.0%	3 of 3

EN 14126: 2003 - Barrier to Infective Agents		
Test Method	**Result**	**EN Class**
ISO 16603 - Resistance to penetration by blood/fluids under pressure	Pass to 20 kPa	6 of 6
ISO 16604 - Resistance to penetration by blood borne pathogens	Pass to 20 kPa	6 of 6
EN ISO 22610 - Resistance to wet bacterial penetration (mechanical contact)	Penetration >75 mins No Penetration	6 of 6
ISO/DIS 22611 - Resistance to biologically contaminated aerosols	Penetration Ratio Log 10 CFU >5 No Penetration	3 of 3
ISO 22612 - Resistance to dry microbial penetration	Penetration Log Log10 CFU < 1 No Penetration	3 of 3



Note: ChemDefend® does not give any warranties or make any representations about its coveralls other than those contained within the official literature supplied by ChemDefend® with each coverall. Risk analysis should be carried out by the user to select the appropriate PPE and it is the user's responsibility to select the correct combination of full body protective coverall and other equipment. The user will also need to determine how long a coverall can be worn for a particular use and/or exposure to a hazard, with regard it its protective performance, comfort and heat stress. Unless otherwise stated all test data relates to laboratory test data generated on fabrics only. Note that seams and closure systems may offer different, possibly lower chemical barrier protection.

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