

MICROCHEM[®] by AlphaTec[™] 2300

MICROCHEM[®]
by AlphaTec[™]
2300



MICROCHEM[®] by AlphaTec[™] 2300 provides an excellent barrier to harmful chemicals and blood borne pathogens, while being lightweight and relatively strong and durable.

Features & Benefits

Protection - A barrier to numerous inorganic liquid chemicals including acids and bases and achieves the highest classifications for protection from biological agents in accordance with EN 14126:2003 and ASTM F 1671 for penetration of blood, body fluids and blood-borne pathogens

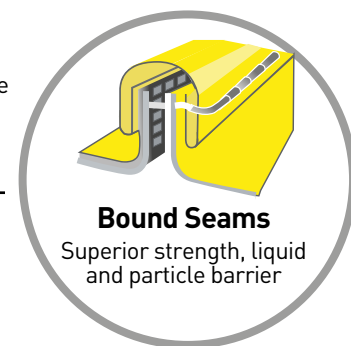
Comfort - Lightweight yet strong and durable

Anti-static - Tested according to EN 1149-5 and AATCC 76

Designed to protect - Typical coverall features include respirator fit hood and a zip flap with self-adhesive tape closure

Applications

- Environmental clean-up
- Sewage purification installations
- Composites manufacturing



Protection Levels & Additional Properties



TYPE 5-B



TYPE 6-B



EN 1073-2



EN 14126
ASTM F1671



EN 1149-5
AATCC 76

CAUTION: This product contains natural rubber latex which may cause allergic reactions.

Style 68-2300

Suit Features

- Collar (Model 103)
- 3-piece hood (Model 111, 147)
- 2-way front zipper with resealable storm flap
- Finger loops
- Elasticated hood, waist, wrists & ankles
- Attached sock boots (Model 147)

Sizes: S-5XL (02-09)

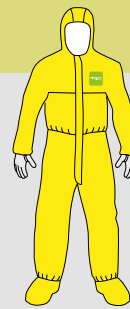
Color: Yellow



(Model 103)



(Model 111)



(Model 147)

CATALOG #: Model 103: YY23-B-92-103 | Model 111: YY23-B-92-111 | Model 147: YY23-B-92-147

MICROCHEM by AlphaTec - Ansell - North America

111 Wood Avenue, Suite 210, Iselin, NJ 08830

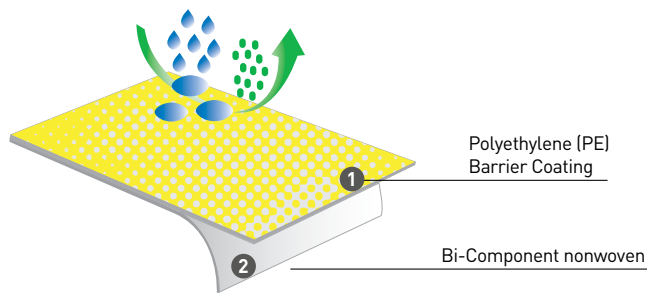
USA: 1-800-800-0444 Canada: 1-800-363-8340

www.ansell.com

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MICROCHEM[®]
by **AlphaTec[™]**

Technical Data



The 2300 fabric is extensively tested in accordance with statutory requirements, including physical performance attributes and barrier to hazardous substances. The following tables outline the results obtained in independent laboratories according to European test methods.

Fabric Physical Properties	Test Method	Units	Results Yellow
Tensile strength (MD)	ASTM D5034	lbs-f	31
Tensile strength (CD)			24
Tear resistance (MD)	ASTM D5733	lbs-f	7.8
Tear resistance (CD)			6.3
Burst strength	ASTM D3787	lbs-f	28
Puncture propagation tear resistance (MD)	ASTM D2582	N	23.8
Puncture propagation tear resistance (CD)			22.2
Flame spread	16 CFR §1610	sec	DNI
		(class)	(1)
Hydrostatic resistance	AATCC 127	cm	>127
Viral penetration resistance	ASTM F1671	Pass/Fail	Pass
Surface Resistivity (at 70°F and 40% R.H.)			
Fabric outer surface	AATCC 76	ohms/square	1.37 x 10 ⁹
Fabric inner surface			9.38 x 10 ⁷
Surface Resistivity (at 70°F and 20% R.H.)			
Fabric outer surface	AATCC 76	ohms/square	8.44 x 10 ⁹
Fabric inner surface			3.49 x 10 ⁸
Barrier Properties			
Whole suit particle inward leakage*	ISO 13982-2	% TIL	1.973%
Comfort Properties			
Thermal Resistance	ISO 11092	M ² .K/W	17.4 x 10 ⁻³
Biological Barrier Properties - 2300 test data for resistance to penetration of infective agents and blood borne pathogens is detailed below.			
Property	Test Method	Result	
Resistance to penetration by blood borne pathogens	ISO 16604	Pass to 20kPa	
Resistance to penetration by blood borne pathogens	ASTM F1671	Pass to 20kPa	
Resistance to wet bacterial penetration (mechanical contact)	ISO 22610	No penetration (up to 75 mins)	
Resistance to biologically contaminated aerosols	ISO/DIS 22611	No penetration	
Resistance to dry microbial penetration	ISO 22612	No penetration	

* Whole suit particle inward leakage testing performed with self-adhesive tape sealing the full face respirator, gloves and boots to the coverall and additional tape applied over the zipper flap. Particle size range of 0.02-2 microns with a mass median of 0.6 microns. Data for model 111 coveralls. Result for other models may vary. Please contact the Ansell technical team for information on a specific model at customerserviceus@ansell.com

*For an up to date list of chemicals tested please visit www.ansell.com or email: customerserviceus@ansell.com.

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