

MICROCHEM[®]
by AlphaTec[™]

1500 PLUS

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1500
PLUS



MICROCHEM[®] by AlphaTec[™] 1500 PLUS is a highly breathable anti-static SMS fabric which utilizes the latest developments in micro-fiber technology to ensure good filtration efficiency.

Features & Benefits

Protection - Proven to filter 99.9% of particles >3 microns*

Comfort - Air and water vapor permeable ("breathable") to help reduce the risk of heat stress

Silicone Free - Critical in spray painting applications

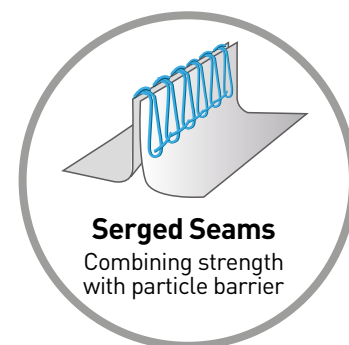
Anti-static - Tested according to EN 1149-5 and AATCC 76

Optimized Body Fit - Improves wearer comfort and safety

*JSTIIF particle penetration test

Applications

- Asbestos related work
- Fiberglass / resin applications / ceramic fibers
- Handling powders
- General maintenance
- Pharmaceutical industries



Protection Levels & Additional Properties



TYPE 5



TYPE 6



EN 1073-2



EN 1149-5
AATCC 76

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

Style 68-1500 PLUS

Suit Features

- 2-way front zipper with re-sealable storm flap
- Elasticated wrists, waist, finger loops and ankles

Sizes: S-5XL (02-09)

Colors: White, Light Blue, Navy

Model 103

- Collar

Model 107

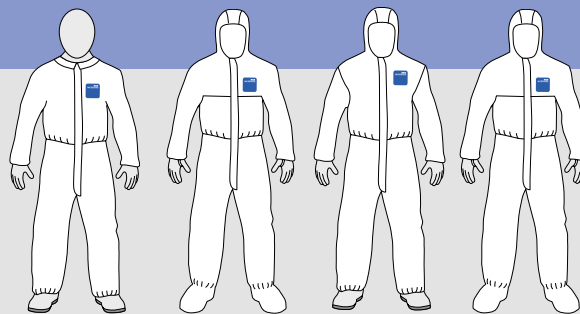
- 3 piece hood
- Attached anti-skid boots (Sure Step sole)

Model 111

- 3 piece hood

Model 147

- Attached socks



[Model 103]

[Model 107]

[Model 111]

[Model 147]

CATALOG #: WH15-S-92-103 | WH15-S-92-107 | WH15-S-92-111 | WH15-S-92-147

MICROCHEM by AlphaTec - Ansell - North America

111 Wood Avenue, Suite 210, Iselin, NJ 08830

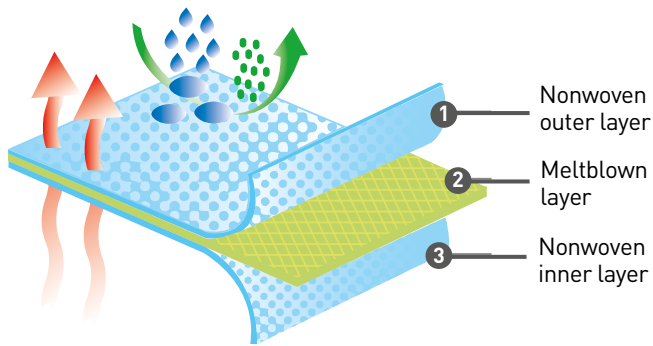
USA: 1-800-800-0444 Canada: 1-800-363-8340

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Technical Data



Asbestos fibers, such as Chrysotile, are typically 3-5 microns in size. The SMS fabric used in the construction of 68-1500 coveralls has been proven to filter 100% of particles larger than 3.0 microns*

| 68-1500 PLUS (White) | |
|-------------------------------|------|
| Fabric Filtration Efficiency* | |
| Particle Size | % |
| 0.3-0.5 μm | 97.8 |
| 0.5-1.0 μm | 98.7 |
| 1.0-3.0 μm | 99.4 |
| 3.0-5.0 μm | 99.9 |
| >5.0 μm | 99.9 |

* JSTIIF Test Method

| Fabric Physical Properties | Test Method | Units | Results** |
|--|--------------------|--------------------------------------|----------------------|
| Tensile strength (MD) | ASTM D5034 | lbs | 26.3 |
| Tensile strength (CD) | | | 20.8 |
| Tear resistance (MD) | ASTM D5733 | lbs | 7.1 |
| Tear resistance (CD) | | | 6.4 |
| Burst strength | ASTM D3787 | lbs | 25 |
| Flame spread | 16 CFR §1610 | sec | IBE |
| | | (class) | (1) |
| Surface Resistance at RH 25% | EN 1149-5 | Ohms | <2.5x10 ⁹ |
| Barrier Properties | Test Method | Units | Results** |
| Fabric Hydrohead (Resistance to water penetration) | ISO 20811 | cm H ₂ O | >50 |
| Fabric Particle filtration efficiency (>3 μm particle size) | JSTIIF | % filtered | 99.9 |
| Whole suit particle inward leakage*** | ISO 13982-2 | % TIL | 8.7 |
| Comfort Properties | Test Method | Units | Results** |
| Air permeability | ASTM D737 | ft ³ /min/ft ² | 30.7 |
| Moisture vapor transmission | ASTM E96, Method B | g/m ² -24 hr | 1380 |

** Unless specified the test data is applicable to the white version only. For test results on other colors please contact customerserviceus@ansell.com

*** 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 customerserviceus@ansell.com

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