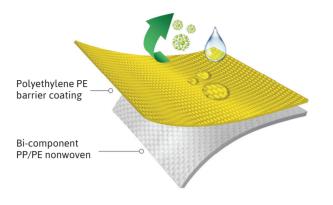
AlphaTec[®]

2300 STANDARD FABRIC - TECHNICAL DATA



| Product name | AlphaTec® 2300 STANDARD |
|------------------|---|
| Product material | Polyethylene coated bi-component PP/PE nonwoven |
| Color | Yellow |
| Material weight | 65 gsm / 1.92 oz/yd² |

| Physical Properties | | | |
|---|-------------------|----------------------|------------------------|
| Test Method | | Units | Results** |
| Tensile strength (MD) | ACTM DEGRA | 11 | 31 |
| Tensile strength (CD) | ASTM D5034 | lbs in-1 | 24 |
| Tear resistance (MD) | ACTIA DETEN | | 7.8 |
| Tear resistance (CD) | ASTM D5733 | lbs in-1 | 6.3 |
| Burst strength | ASTM D3787 | lbs in ⁻¹ | 28 |
| Puncture propagation tear resistance (MD) | | | 23.8 |
| Puncture propagation tear resistance (CD) | ASTM D2582 | N | 22.2 |
| Flame spread | 16 CFR Part 61610 | sec | DNI* - Class 1 |
| Surface resistance at RH 40% - Inner | | | 4.91 x 10 ⁸ |
| Surface resistance at RH 40% - Outer | AATCC 7/ | Oleman | 1.37 x 10 ⁹ |
| Surface resistance at RH 20% - Inner | AATCC 76 | Ohms | 3.49 x 10 ⁸ |
| Surface resistance at RH 20% - Outer | | | 8.44 x 10 ⁹ |
| Whole suit particle inward leakage** | ISO 13982-2 | % TIL | 0.333% |
| | | | |
| Seam Strength | ASTM D1683 | lbs in⁻¹ | 25.9 |

| Comfort Testing | | | |
|--------------------|-----------|--------|-------------------------|
| Test Method | | Units | Results** |
| Thermal Resistance | ISO 11092 | M².K/W | 17.4 x 10 ⁻³ |

^{*} DNI - does not ignite



^{**} 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 email the Ansell technical team for information on a specific model at customerserviceus@ansell.com

AlphaTec®

2300 STANDARD FABRIC - TECHNICAL DATA

| Additional Testing | | | |
|--|---|----------------------|-----------|
| Test Method | | Units | Results** |
| Anti-static Properties (EN 1149-5) | EN 1149-3 (Charge Decay) | t ₅₀ <4 s | Pass |
| Hydrostatic Head (Water Pressure Test) | AATCC 127 | cm H₂0 | >127 |
| | Limited by test equipment. ISO 811 result >127cm H ₂ O | | |

| Fabric Barrier to Infective Agents - EN 14126 | | | |
|--|------------------------|-------------------------------|----------|
| Test Method | | Result | EN Class |
| Resistance to penetration by blood borne pathogens | ISO 16604 / ASTM F1671 | Pass to 20 kPa | 6 of 6 |
| Resistance to wet bacterial penetration (mechanical contact) | ISO 22610 | No penetration (up to 75 min) | 6 of 6 |
| Resistance to biologically contaminated aerosols | ISO/DIS 22611 | No penetration | 3 of 3 |
| Resistance to dry microbial penetration | ISO 22612 | No penetration | 3 of 3 |

| Whole Suit Testing | |
|-----------------------------|--|
| Test Method | |
| EN ISO 13982-1:2004+A1:2010 | Type 5 : Particle Test |
| EN 13034:2005+A1:2009 | Type 6: Reduced Spray Test |
| EN 1073-2:2002 | Radioactive Particulates (Class 2 of 6)*** |

^{***} Resistance to ignition is not tested as product already carries flammability warning. Note: does not protect against ionizing radiation.

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. Ansell Limited does not give any warranties or make any representations about its garments other than those contained in the official literature supplied by Ansell Limited with each garment. Ansell 2024. All rights Reserved.

