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|--------------------------|---|
| Product name | AlphaTec® 1500 PLUS |
| Product material | SMS nonwoven with anti-static treatment |
| Colours available | White, Navy, Light Blue |
| Material weight | White 48gsm, Navy 50gsm, Light Blue 60gsm |

Physical Properties - EN 14325:2004

| Test Method | | Result (White fabric) | EN Class (White fabric) | Result (Blue fabric) | EN Class (Blue fabric) | Result (Navy fabric) | EN Class (Navy fabric) |
|-----------------------|----------------|-----------------------|-------------------------|----------------------|------------------------|----------------------|------------------------|
| Abrasion | EN 530 | >100 Cycles | 2 of 6 | >100 Cycles | 2 of 6 | >100 Cycles | 2 of 6 |
| Flex cracking | EN ISO 7854 | >40,000 Cycles | 5 of 6 | >100,000 Cycles | 6 of 6 | >100,000 Cycles | 6 of 6 |
| Tear resistance (MD) | EN ISO 9073-4 | >60 N | 2 of 6 | >20 N | 2 of 6 | >60 N | 2 of 6 |
| Tear resistance (CD) | | >20 N | | >100 N | | >20 N | |
| Tensile strength (MD) | EN ISO 13934-1 | >100 N | 2 of 6 | >100 N | 2 of 6 | >100 N | 1 of 6 |
| Tensile strength (CD) | | >60 N | | >60 N | | >30 N | |
| Puncture resistance | EN 863 | >5 N | 1 of 6 | >5 N | 1 of 6 | >5 N | 1 of 6 |
| Seam Strength | EN ISO 13935-2 | >75 N | 3 of 6 | >75 N | 3 of 6 | >75 N | 3 of 6 |

Fabric Repellence & Penetration to Liquid Chemicals - EN 14325:2004

Fabric Repellence of Liquids

| Test Chemical | Test Method | Result % (White fabric) | EN Class (White fabric) | Result % (Blue fabric) | EN Class (Blue fabric) | Result % (Navy fabric) | EN Class (Navy fabric) |
|----------------------------|-------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|
| Sulphuric Acid (30% w/w) | EN ISO 6530 | >95 | 3 of 3 | >95 | 3 of 3 | >90 | 2 of 3 |
| Sodium Hydroxide (10% w/w) | | >95 | 3 of 3 | >90 | 2 of 3 | >95 | 3 of 3 |

Fabric Penetration Resistance of Liquids

| Test Chemical | Test Method | Result | EN Class | Result | EN Class | Result | EN Class |
|----------------------------|-------------|--------|----------|--------|----------|--------|----------|
| Sulphuric Acid (30% w/w) | EN ISO 6530 | <1 | 3 of 3 | <1 | 3 of 3 | <1 | 3 of 3 |
| Sodium Hydroxide (10% w/w) | | <1 | 3 of 3 | <1 | 3 of 3 | <1 | 3 of 3 |

Additional Testing

| Test Method | | Result (White fabric) | EN Class (White fabric) | Result (Blue fabric) | EN Class (Blue fabric) | Result (Navy fabric) | EN Class (Navy fabric) |
|------------------------------------|--------------------------|-----------------------|-------------------------|----------------------|------------------------|----------------------|------------------------|
| Anti-static Properties (EN 1149-5) | EN 1149-3 (Charge Decay) | $t_{50} < 4$ s | Pass | $t_{50} < 4$ s | Pass | $t_{50} < 4$ s | Pass |

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 1 of 6)* |

* Overall tested to EN 1073-2 for barrier to radioactive particles, with the exception of Clause 4.2: Puncture resistance achieves Class 1 versus the requirement of Class 2. Resistance to ignition is not tested as product already carries flammability warning. Note: Does not protect against ionizing radiation.

Comfort Testing

| Test Method | | Result (White fabric) | Units | Result (Blue fabric) | EN Class (Blue fabric) | Result (Navy fabric) | EN Class (Navy fabric) |
|--|--------------------|--------------------------|-----------------------|-------------------------|---------------------------|-------------------------|---------------------------|
| Air Permeability: Gurley Method | ISO 5636-5 | 1.27 | s 100 cm ² | 1.27 | s 100 cm ² | 1.27 | s 100 cm ² |
| Water Vapour Resistance (R _{ev}) | EN 31092/ISO 11092 | 2.00 | m ² ·Pa/W | 1.90 | m ² ·Pa/W | 1.43 | m ² ·Pa/W |
| Thermal Resistance (R _{ct}) | EN 31092/ISO 11092 | 0.019 | m ² ·K/W | 0.021 | m ² ·K/W | 0.025 | m ² ·K/W |
| Water Vapour Permeability Index (WVPI) | | 0.582 | - | 0.657 | - | 1.028 | - |
| Clothing Insulation (clo) value | | 0.125 | - | 0.134 | - | 0.158 | - |

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 2022. All rights Reserved.