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| Product name | AlphaTec® 66-300 |
| Product material | Polyamide (nylon) fabric coated on both sides with PVC |
| Colour available | Red |
| Material weight (nominal) | 390 g/m ² |

Physical Properties - EN 14325:2018

| Property | Test Method | Result | EN Class |
|------------------------|----------------------|----------------|----------|
| Abrasion | EN 530 | >2 000 Cycles | 6 of 6 |
| Flex cracking | EN ISO 7854:B | >50 000 Cycles | 6 of 6 |
| Flex cracking @ -30 °C | | >200 Cycles | 2 of 6 |
| Tear resistance | EN ISO 9073-4 | >20 N | 2 of 6 |
| Tensile strength | EN ISO 13934-1 | >1 000 N | 6 of 6 |
| Puncture resistance | EN 863 | >50 N | 3 of 6 |
| Resistance to flame* | EN 13274-4, method 3 | 5 sec | 3 of 3 |
| Seam Strength | EN ISO 13935-2 | >500 N | 6 of 6 |

* Not part of the EN 14605 requirements

Additional Testing

| Property | Test Method | Result | EN Class |
|------------------------|------------------------|-----------------|----------|
| Anti-static properties | EN 1149-5 (Decay time) | $t_{50} < 54$ s | Pass |

Chemical Permeation Performance - EN 943-1:2015, EN 14325:2004

| Test Chemical | CAS No. | BT _{1.0} (mins) | EN Class |
|-------------------------|-----------|--------------------------|----------|
| Formaldehyde (37%) | 50-00-0 | >480 | 6 of 6 |
| Hydrochloric acid (37%) | 7647-01-0 | >480 | 6 of 6 |
| Sodium hydroxide (40%) | 1310-73-2 | >480 | 6 of 6 |
| Sulphuric acid (50%) | 7664-93-9 | >480 | 6 of 6 |

Tests performed according to EN 374-3 or ISO 6529, breakthrough criterion 1 µg/cm²/min, test duration 8 hours.

Barrier to Infective Agents - EN 14126:2003

| Test Method | | Result | EN Class |
|--|---------------|----------------|----------|
| Resistance to penetration by synthetic blood | ISO 16603 | Pass | 6 of 6 |
| Resistance to penetration by blood borne pathogens | ISO 16604 | Pass | 6 of 6 |
| Resistance to wet bacterial penetration (mechanical contact) | EN ISO 22610 | No penetration | 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 |

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 2023. All rights Reserved.