



Product name	AlphaTec® 6500
Product material	Multi-layer barrier films laminated either side of nonwoven fabric
Color	Yellow
Material weight	395 gsm / 11.65 oz/yd ²

Physical Properties - EN 14325:2018

Property	Test Method	Result	EN Class
Abrasion	EN ISO 12947-2	>2 000 Cycles	6 of 6
Flex cracking	EN ISO 7854:B	>1 250 Cycles	2 of 6
Flex cracking @ -30 °C		>200 Cycles	2 of 6
Tear resistance	EN ISO 9073-4	>100 N	5 of 6
Tensile strength	EN ISO 13934-1	>250 N	4 of 6
Puncture resistance	EN 863	>50 N	3 of 6
Resistance to flame	EN 13274-4, method 3	1 sec in flame, leak tight afterwards	2 of 3
Seam strength	EN ISO 13935-2	>500 N	6 of 6

Chemical Permeation Performance - EN 14325:2018

Test Chemical	CAS No.	BT _{1.0} (mins)	EN Class	Test Chemical	CAS No.	BT _{1.0} (mins)	EN Class
Acetone	67-64-1	>480	6 of 6	Hexane	110-54-3	>480	6 of 6
Acetonitrile	75-05-8	>480	6 of 6	Hydrogen chloride (gas)	7647-01-0	>480	6 of 6
Anhydrous ammonia (gas)	7664-41-7	>480	6 of 6	Methanol	67-56-1	>480	6 of 6
Carbon disulfide	75-15-0	>480	6 of 6	Sodium hydroxide (40%)	1310-73-2	>480	6 of 6
Chlorine (gas)	7782-50-5	>480	6 of 6	Sulphuric acid (96%)	7664-93-9	>480	6 of 6
Dichloromethane	75-09-2	>480	6 of 6	Tetrahydrofuran	109-99-9	>480	6 of 6
Diethylamine	109-89-7	>480	6 of 6	Toluene	108-88-3	>480	6 of 6
Ethyl acetate	141-78-6	>480	6 of 6				

Tests performed according to 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 to 20 kPa	-
Resistance to penetration by blood borne pathogens	ISO 16604	Pass to 20 kPa	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 2024. All rights Reserved.