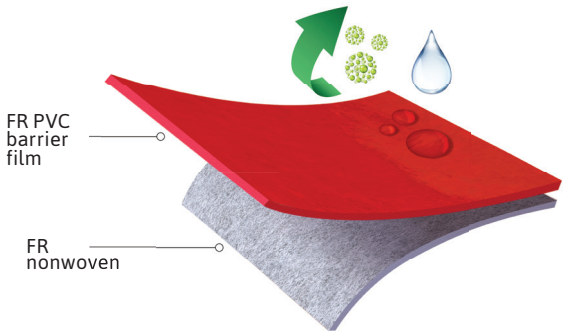
AlphaTec®

CFR FABRIC - TECHNICAL DATA



Product name	AlphaTec® CFR
Product material	Flame-retardant treated fabric with PVC barrier film protection
Colour available	Red
Material weight	165gsm

Physical Properties - EN 14325:2004

Test Method		Result	EN Class
Abrasion Resistance	EN 530	>2,000 Cycles	6 of 6
Flex Cracking	EN ISO 7854	>5,000 Cycles	3 of 6
Tear resistance (MD)	EN ISO 9073-4	>60 N	2 of 6
Tear resistance (CD)		>20 N	
Tensile strength (MD)	EN ISO 13934-1	>60 N	2 of 6
Tensile strength (CD)			
Puncture resistance	EN 863	>10 N	2 of 6
Seam Strength	EN ISO 13935-2	>125 N	4 of 6

Additional Testing

Test Method		Result	EN Class
Anti-static Properties (EN 1149-5)	EN 1149-3 (Charge Decay)	t_{50} <4 s	Pass
Resistance to Ignition	EN 13274-4	Pass	
Limited Flame Spread (EN ISO 14116)	EN ISO 15025	Index 1	

Chemical Permeation Performance - EN 14325:2004

Test Chemical	CAS No.	Test Method	$BT_{1.0}$ (mins)	EN Class
Sodium Hydroxide (40% w/w)	1310-73-2	ISO 6529	>480	6 of 6

Barrier to Infective Agents - EN 14126:2003

Test Method		Result	EN Class
Resistance to penetration by synthetic blood	ISO 16603	Pass (20 kPa)	n/a
Resistance to penetration by blood borne pathogens	ISO 16604	Pass (20 kPa)	6 of 6
Resistance to wet bacterial penetration (mechanical contact)	EN 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		Test Method	
EN 14605:2005+A1:2009	Type 3: Jet Test	EN ISO 13982-1:2004+A1:2010	Type 5 : Particle Test
EN 14605:2005+A1:2009	Type 4: Spray Test	EN 1073-2:2002	Radioactive Particulates (Class 1 of 6)*

* 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.

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