PRODUCT DATASHEET



Defender FR

TYPE 5, 6 DISPOSABLE COVERALL





Features

- ▶ 55gsm highly breathable triple layer SMS material for hot and humid environments
- Flame retardant coating*
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- 3 piece hood provides additional comfort and head movement over traditional design
- Serged seams provide strength and good levels of barrier protection

Standards & Certification

Category III PPE according to Regulation (EU) 2016/425



Manufactured under license with EC Type Examination Issued by- Centro Tessile Cotoniero e Abbigliamento S.p.A Piazza S. Anna, 2 21052 Busto Arsizo (VA) ITALY Notified Body Number - 0624



- Particle tight protection including asbestos, silica, and hazardous particles to 0.6µm
- Limited liquid spray tight to protect from light sprays of hazardous liquids
- Flame retardant to EN 14116 Index 1*

CFPR183

White

SMS

- Anti-static treatment to EN 1149 to reduce charge build up
- Class 1 rated against Radioactive particle contamination

*Flame Retardant disposable coveralls must be worn over thermal protective garments to EN 14116 index 2 or above.

Specifications

Part No. Colour Material Sizing & Fit Available Sizes XL, 2XL, 3XL





Performance Profile of Defender FR Fabric

GFPR183

Physical Data	Test Method	Result	Class
Abrasion Resistance	EN530 method 2	>1,500 cycles	3/6
Tensile strength on seams	EN ISO 13935-2	170N	4/6
Puncture resistance	EN 863	10.5N	2/6
Flex cracking Resistance	EN ISO 7854 method B	>100,000 cycles	6/6
Tensile Strength	EN ISO 13934-1:2013	150N weft	3/6
		66N warp	3/6
Trapezoidal Tear	EN ISO 9073-4	31N weft	2/6
		68N warp	3/6
pH Value	EN ISO 3071:2006 EN ISO 13688	3.5 > pH > 9.5	Pass
Electric Surface Resistance	ANSI/ESD STM 2.1:2013 - test condition EN1149-1	≤ 2.5 x10 ⁹	Pass
Resistance to aerosol penetration Inward leakage type 5	EN ISO12982.2 - EN ISO 13982	Ljmn 82/90 ≤ 30% L s 8/10 ≤ 15%	Pass
Reduced Spray test	EN 468(EN 13034/05) Type 6	Pass	
Whole suit aerosol test	EN 13982-2/04 Type	Pass	
Limited flame spread	(EN ISO 15025 A)	Index 1	
gnition and flammability	(EN13274-4 - EN1073-2)	Pass	

Penetration and Repellency by Liquid in Accordance with UNI EN ISO 6530:2005+ UNI EN 14325:2005

Physical Data	Test Method	Repellency	Penetration
H_2SO_4 (Sulphuric acid) 30%	EN14325 - EN ISO 6530	>95%	<1%
NaOH (Sodium hydroxide) 10%	EN14325 - EN ISO 6530	>95%	<1%
o-xylene	EN14325 - EN ISO 6530	>90%	<1%
Butan 1 ol	EN14325 - EN ISO 6530	>95%	<1%

Industries & Applications

- Oil & Gas
- Petrochemical
- Power Utilities
- Welding
- Railways
- Gas & Metal
- Construction and Mining

Instructions For Use

Refer to the User Insert Sheet included with the Coverall for full user instructions

Shelf life

Five years from date of manufacture

Storage

Do not store in direct sunlight, or in environments above 21°C and above 80% humidity.

Disposal

Worn coveralls should be disposed of in accordance to the containment they have been exposed to, and in accordance with local regulations.

Cleaning

Single use garment. Do not reuse



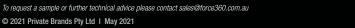
Do not wash



Do not machine dry

Do not clean







Do not dry clean