



Pyrolon® CB-FR

*Advanced Chemical Barrier and
Flame Resistance*



Meets the performance requirements
of NFPA 2113 for section 5.1.9



Maximum Protection!

- Advanced chemical barrier
- Self extinguishing
- Won't melt or drip
- Meets the NFPA 2113 requirements for section 5.1.9.
- Designed to be worn over primary FR protective clothing, for environments where both chemical exposures and flash fire are a concern

Style Numbers:

52151 – Coverall, respirator-fit hood, storm flap over zipper, elastic face, wrists, attached boots

52132 – Coverall, respirator fit hood, storm flap over zipper, elastic face, wrists and ankles

Specifications:

Fabric: Pyrolon® CB-FR

Standard: NFPA 2113, section 5.1.9

ASTM F1930 Burn Data: Westex DH Coverall – 16.4% body burn

ASTM F1930 Burn Data: Westex DH with Pyrolon® CB-FR over DH coverall – 7.65% body burn

Colors: Available in Dark Blue



 **Lakeland®**
Protect Your People™

Maximum Features!

Respirator fit hood

Protective storm flap
over zipper

Tape sealed seams

Styles with and
without attached
boots



Pyrolon® CB-FR Physical Properties Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	7.16 oz/y ²
Thickness	ASTM D1777	mils	12
Grab Tensile MD	ASTM D5034	lbs.	55.2 lbs.
Grab Tensile XD	ASTM D5034	lbs.	42.88 lbs.
Mullenburst	ASTM D3786	psi	32.5
Trapezoidal Tear MD	ASTM D5587	lbs.	16.28 lbs.
Trapezoidal Tear CD	ASTM D5587	lbs.	24.08 lbs.

Style Numbers:



Coverall 52151

- Respirator-fit hood
 - Storm flap over zipper
 - Elastic face and wrists
 - Attached boots
- Sizes:** S - 5XL
Case Pack: 6

Coverall 52132

- Respirator-fit hood
 - Storm flap over zipper
 - Elastic face, wrists and ankles
- Sizes:** S - 5XL
Case Pack: 6

Pyrolon® CB-FR Permeation Testing - ASTM F1001 and additional chemicals

Chemical	CAS Number	Physical State	Concentration	ASTM F739	EN 369
Acetone	67-64-1	Liquid	99%	>480	>480
Acetonitrile	75-05-8	Liquid	99%	>480	>480
Acrylonitrile	107-13-1	Liquid	99%	>480	>480
Benzene	71-43-2	Liquid	99%	>480	>480
Carbon Disulfide	75-15-0	Liquid	99%	>480	>480
Crude Oil	Various	Liquid	Mixture	58	>480
Dichloromethane	75-09-2	Liquid	99%	>480	>480
Diesel Fuel	Various	Liquid	Mixture	>480	>480
Diethylamine (DEA)	109-89-7	Liquid	99%	130	309
Dimethylformamide (DMF)	68-12-2	Liquid	99%	>480	>480
Ethyl Acetate	141-78-6	Liquid	99%	>480	>480
Gasoline	Various	Liquid	Mixture	138	>480
Hydrofluoric Acid	7664-39-3	Liquid	48%	>480	>480
n-Hexane	110-54-3	Liquid	99%	>480	>480
Methanol	67-56-1	Liquid	99%	25	33
Nitrobenzene	98-95-3	Liquid	99%	>480	>480
Sodium Hydroxide, 50%	1310-73-2	Liquid	50%	>480	>480
Sulfuric Acid 93.1% 66° B	7664-93-9	Liquid	93%	>480	>480
Tetrachloroethylene (perc)	127-18-4	Liquid	99%	>480	>480
Tetrahydrofuran (THF)	109-99-9	Liquid	99%	13	21
Toluene	108-88-3	Liquid	99%	>480	>480
Gases					
Ammonia Anhydrous	7664-41-7	Gas	99%	>480	>480
1, 3-Butadiene inhibited 99%	106-99-0	Gas	99%	>480	>480
Chlorine 99.5%	7782-50-5	Gas	99%	>480	>480
Ethylene Oxide 99.7%	75-21-8	Gas	99%	>480	>480
Hydrogen Chloride 99%	7647-01-0	Gas	99%	182	>480
Methyl Chloride 99.5%	74-87-3	Gas	99%	>480	>480

Note: Chemical Resistance Data is in accordance with ASTM F739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratories. All tests were performed under laboratory conditions and not actual use conditions.

Pyrolon® CB-FR Predicted Body Burn Data

ASTM F1930 Burn Data: Westex DH Coverall – 16.4% body burn

ASTM F1930 Burn Data: Westex DH with Pyrolon® CB-FR over DH coverall – 7.65% body burn

Burn	2nd Degree	3rd Degree	Average
Garment 1	0%	6.56%	6.56%
Garment 2	0.82%	6.56%	7.38%
Garment 3	2.46%	6.56%	9.02%
Overall Average			7.65%