

# PYROLON® CRFR

Chemical Resistance and  
Flame Resistance in one Disposable  
Protective Garment

## Pyrolon® CRFR Applications

Petrochemical

Flammable Liquid Handling

Drug Lab Investigation



Heat Sealed  
Seam

## Pyrolon® CRFR Brand Features:

Combines Chemical Resistance with Flame Resistance

Does Not Melt or Drip

Meets the NFPA 2113 2020 Edition Requirements for  
Section 5.1.10

## Penetration Data for ASTM F903 Standard Chemicals

Pyrolon CRFR is the Chemical Resistant and Flame Resistant disposable option designed to protect your Primary FR and ARC Rated Garments when chemical splash is a concern. Pyrolon CRFR garments bar contaminating flammables like paint, oil and grease, hazardous liquids and contaminants, and dry particulates from penetrating to inner Primary Protective Garments, potentially saturating them with flammable substances.

Pyrolon CRFR is designed to be worn over Primary FR/AR Protective Clothing for environments where flash fire is a concern. Utilizing Pyrolon CRFR when both chemical splash and flash fire are a concern helps the wearer meet the NFPA 2113 2020 edition requirements for section 5.1.10.

## Pyrolon® CRFR Coveralls



**Coverall  
51130**

- Hood
- Storm flap over zipper
- Elastic face
- Elastic wrists and ankles

Sizes: M - 5X  
Case Pack: 6



**Coverall  
51150**

- Hood
- Storm flap over zipper
- Elastic face and wrists
- Attached boots

Sizes: M - 5X  
Case Pack: 6



**Apron  
51730**

- Long sleeve
- Elastic wrists
- 32" length

Sizes: L-4X  
Case Pack: 12





**Secondary  
FR and  
Chemical  
Protective  
Garment**

**Primary FR  
Protective  
Garment**

## Pyrolon® CRFR helps reduce Total Body Burn!

Pyrolon® CRFR third party testing by North Carolina State University to ASTM F1930 confirms:

Material	Body Burn Results
6.5 oz. Westex® DH alone	16.4% total body burn
Pyrolon® CRFR over 6.5 oz. Westex® DH	15.84% total body burn

## Pyrolon® CRFR Physical Properties, 2.5 Mil

Physical Property	Test Method	Units	Test Results
Basis Weight		oz./sq. yd	4.92
Grab Tensile MD		lbs.	34
Grab Tensile XD		lbs.	27
Mullen Burst		lbs./sq.in.	35
Char Length MD		inches	4.7
Char Length XD		inches	4.5
Afterflame		seconds	<2
Charge Decay	NFPA 99		Pass
Surface Resistance	EN1149	Ω	Pass

## Pyrolon® CRFR Penetration Data, 2.5 Mil, ASTM F903

Challenge Chemical	CAS Number	Physical State	Penetration Result
Acetone	67-64-1	Liquid	>60
Acetonitrile	75-05-8	Liquid	>60
Benzene	71-43-2	Liquid	>60
Carbon Disulfide	75-15-0	Liquid	>60
Diesel Fuel	N/A	Liquid	>60
Diethylamine	109-89-7	Liquid	>60
Crude Oil	N/A	Liquid	>60
Ethyl Acetate	141-78-6	Liquid	>60
n-Hexane	110-54-3	Liquid	>60
Hexamethylene Diisocyanate	822-06-0	Liquid	>60
Hydrochloric Acid	7647-01-0	Liquid	>60
Methanol	67-56-1	Liquid	>60
Methyl Ethyl Ketone (MEK)	78-93-3	Liquid	> 60
Methyl Isobutyl Ketone	108-10-1	Liquid	>60
Monochlorobenzene	108-90-7	Liquid	>60
n-Butyl Acetate	123-86-4	Liquid	>60
Orthodichlorobenzene, Grade F	95-50-1	Liquid	>60
Polychlorinated Biphenyl (PCB)	92-52-4	Liquid	> 60
Sodium Hydroxide, 50%	1310-73-2	Liquid	>60
Sulfuric Acid, 98%	7664-93-9	Liquid	45
Surrogate Gasoline (Toulene 50%) (Isooctane 50%)	108-88-3 540-84-1	Liquid	> 60
Tetrachloroethylene	127-18-4	Liquid	>60
Toluene	108-88-3	Liquid	>60
Trichlorobenzene Mixture	Mixture	Liquid	>60
Xylene	1330-20-7	Liquid	>60

Note: Chemical Resistance Data is in accordance with ASTM F903 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.

