

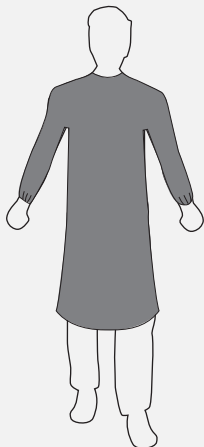


## PyroGuard CRFR™ Aprons

Chemical-resistant and flame-resistant PVC aprons for petrochemical environments, industrial, food processing, oil / gas, agricultural work, tank cleaning, chemical mixing, and more.

Self-extinguishing fabric does not melt or drip when ignited to prevent flames from spreading. Taped seams offer added protection against chemical or liquid penetration. Long sleeves with elastic wrists protect the entire arm from chemical/acid splash and sparks.

### Available Garments



**Chemical & Flame-Resistant  
PVC Apron with Long Sleeves,  
Elastic Wrists, Hook & Loop  
Closure at Neck, Ties at  
Waist, and Taped Seams.**

#9110T  
Size: Large - 5XL  
12 per case

## Testing

CHEMICAL	PENETRATION ASTM F903 TIME TO PENETRATE (MINUTES)	PERMEATION ASTM F739 NORMALIZED BREAKTHROUGH (MINUTES)
Acetone	>60	12
Acetonitrile 90%	>60	IMB
Acetaldehyde	>60	NT
Acrylonitrile	>60	NT
Benzene	>60	NT
Carbon Disulfide	>60	9
Crude Oil	>60	9
Dichloromethane	2	IMB
#1 Diesel	>60	15
Diethylamine	>60	IMB
Dimethylformamide	<1	IMB
Ethyl Acetate	>60	16
Ethylene Dichloride	>60	NT
Ethylene Oxide	>60	NT
Gasoline	>60	NT
Hexane	>60	>480
Hexamethylene Diisocyanate	>60	15
Hydrochloric Acid	>60	NT
JP-8	>60	NT
Jet Fuel A	>60	NT
Methanol	>60	IMB
Methyl Isobutyl Ketone	>60	NT
Methyl Mercaptan	>60	NT
Monochlorobenzene	>60	NT
Nitric Acid 70%	>60	129
Nitrobenzene	3	4
n-Butyl Acetate	>60	NT
Orthodichlorobenzene, Grade F	>60	NT
Para-Dichlorobenzene	>60	NT
Pentane	>60	NT
Phenol	>60	NT
Phosphoric Acid 85%	>60	>480
Sodium Hydroxide 40%	>60	>480
Styrene	>60	<1
Sulfuric Acid 96%	45	38
Tetrachlorethylene	>60	>480
Tetrahydrofuran	<1	<1
Toluene	>60	6
Trichlorobenzene Mixture	>60	NT
Xylene	>60	NT

TEST	TEST METHOD	RESULTS
Grab/Tensile - Machine Direction	ASTM D1117 / D1682	34 lbs.
Grab/Tensile - Cross Direction	ASTM D1117 / D1682	27 lbs.
Bond Strength - Machine Direction	IST 110.2	197 gms
Bond Strength - Cross Direction	IST 110.2	223 gms
Mullen Burst	ASTM D3786-87	35 psi
Resistivity Machine Direction	IST 70.1	2.9 x10 <sup>9</sup> ohms
Resistivity	IST 70.1	3.1 x10 <sup>9</sup> ohms

TEST	TEST METHOD	RESULTS
Vertical Flammability - Char Damage	ASTM 6413	<6 inches
Vertical Flammability - After Flame	ASTM 6413	<2 seconds
Thermal Protective Performance - Spaced	NFPA 1971 - 97	6.8 TPP
Mullen Burst	ASTM D3786-87	35 psi

### PyroGuard CRFR™ Helps Reduce Total Body Burn

PyroGuard CRFR™ third-party ASTM F1930 testing, conducted by North Carolina State University, confirms the following:

MATERIAL	TEST METHOD	BODY BURN RESULTS
PyroGuard CRFR™ over Stanco Nomex NXG581	ASTM F1930	16.4% Total Body Burn

