

# Chemical Splash

## Protective Outerwear Fabrics

PHYSICAL PROPERTIES	CHEMICAL SPLASH PROTECTIVE FABRIC	NFPA 1992 REQUIREMENT	NFPA 2112 REQUIREMENT
<b>Weight (+ or -5%) oz (sq yd) grams (sq meter)</b>	7.5 oz (sq. yd) 254g (sq meter)		
<b>Chemical Penetration Resistance (Pass/Fail)* ASTM F903</b> Acetone Nitrobenzene Ethyl Acetate Dimethylformamide Sodium Hydroxide 50% by weight Sulfuric Acid 93.1% by weight Tetrahydrofuran	Pass Pass Pass Pass Pass Pass Pass	Pass Pass Pass Pass Pass Pass Pass	
<b>Burst Strength (lbs) ASTM D751</b> Initial (warp x fill)	200 x 200	30 min	
<b>Cold Temperature Performance (lbs) ASTM D747</b> Initial (warp x fill)	<0.1 x <0.1	0.5 max	
<b>Puncture Propagation Tear Resistance (lbs) ASTM D2582</b> Initial (warp x fill)	13.0 x 26.0	5.6 max	
<b>MVTR (gm/sq. meters/day) ASTM E96</b> Upright Procedure B Water Inverted Procedure BW Water Modified Dessicant Method (Potassium Actetate)	670 7500 15,000		
<b>THL (watts/sq. meter) ASTM F1868</b>	>500		
<b>Flash Fire Exposure (Manikin Test) ASTM F1930</b> (% body burn [2.0 cal/cm <sup>2</sup> - sec] @ 3 seconds)	<15		50 max

\*Please refer to the Chemical Penetration Information Guide for detailed information on safety, usage recommendations, and a complete list of the chemicals this fabric has been tested against.

**COMPOSITION: Trilaminate of 100% NOMEX® IIIA plain weave outer shell, highly breathable PTFE membrane and 100% NOMEX IIIA knit face cloth**

**WEIGHT: 7.5 oz (sq yd)**

**COLOR: Royal Blue**

**END USE: Chemical Splash Protection Outershell Fabric**



**FLASH FIRE ADVISORY:** While this fabric is designed to protect against flash fire hazards, chemicals present on the garment are likely to burn on the surface of the fabric if ignited.

**LAUNDERING:** For detailed laundering specifications, please contact TENCATE at (800) 241-8630.

**SUNLIGHT/UV EXPOSURE ADVISORY:** Prolonged sunlight and UV exposure can be damaging to aramid and PBO fibers. Both natural (undyed) and dyed aramid and PBO fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. SOUTHERN MILLS, Inc. OFFERS NO WARRANTIES, IMPLIED OR OTHERWISE, FOR COLOR CHANGE OR FABRIC DAMAGE DUE TO UV EXPOSURE.

To the best of our knowledge, the information contained herein is accurate. However, SOUTHERN MILLS, Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. We have described certain hazards, but we cannot guarantee that these are the only hazards.

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**TENCATE™**  
materials that make a difference

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# Chemical Splash

## Protective Outerwear Fabrics

Our new Chemical Splash Protective fabrics are engineered to protect against chemical splash, heat, and flash fire hazards. Certified to both NFPA 1992 and 2112, this laminated three-layer fabric combining a NOMEX® woven outer shell, a highly breathable PTFE membrane and a NOMEX® knitted liner create a durable protective fabric that provides comfort, safety, and peace of mind when lives are on the line.

CHEMICAL SPLASH PROTECTIVE fabrics are:

- **Comfortable** – breathable, lightweight and supple
- **Protective** – from heat, flames, chemical splash hazards
- **Durable** – excellent abrasion and tear resistance

