

INHIBITOR 18

by Quest Fire Apparel, Inc.

When it is your LIFE... and only the BEST protection will do!

PARTICULATE BARRIER PROTECTION FOR FIREFIGHTER HOODS.

	Test Name	NFPA 1971 Performance Requirement Paragraph	Test Method	Specification	Stedair® Prevent	Comment
PROTECTION	*TPP	7.13.2, par. 8.10	ISO 17492	> 20.0	25	Meets & exceeds
	Flame Resistance	7.13.3, par. 8.2	ASTM D 6413	< 100 mm Char, < 2-sec Burn, No Melt, No Drip	0.0 s; 85 mm (L); 0.0 s; 77 mm (W)	Meets & exceeds
	Heat and Thermal Shrinkage	7.1.4 and 7.1.5, par. 8.6	ISO 17493	< 10%, No Melt, Separation or Ignition	5.2 % (L); 6.8% (W)	Meets & exceeds
	*Particulate Blocking Test INITIAL	7.14.2, par. 8.71	ASTM F2299	Particulate efficiency > 90% (0.1-1.0 micron)	> 99.99% (0.1-1.0 micron)	
COMFORT	THL	7.14.3, par.8.33	ASTM F 1868 Part C	> 325 W/m2	704 W/m2	
	*THL	7.14.3, par.8.33	ASTM F 1868 Part C	> 325 W/m2	427 W/m2	Meets & exceeds
	Air Permeability	Not Required	ASTM D 737 (Frazier Air Perm)	Not Required	10 CFM	
DURABILITY	Bursting Strength	7.13.8, par. 8.13	ASTM D 6797	> 225 N (51 lbf) Individual Layers	550 N	Meets & exceeds
	*Particulate Blocking Test AFTER 2X Conditioning	7.14.2, 8.1.2 (2x) 8.1.3, 8.1.5	AATCC 135 Method 1, v, Ai ASTM D 1776	Particulate efficiency > 90% (0.1-1.0 micron)	> 99.99% (0.1-1.0 micron)	Meets & exceeds

*when tested with one layer of 8oz/yd2 Nomex® knit



STEDFAST Inc. has introduced a highly breathable, air permeable, flexible, and flame resistant material offering superior **particulate blocking performances**. Stedair® PREVENT, consists of a composite barrier made from Stedair® moisture barriers proprietary technology.

Firefighters neck and head areas are vulnerably exposed and highly sensitive to concentrations of toxic chemicals and permeation to the skin. Average hoods' offer a limited protection against these toxic particles. Stedair® PREVENT offers outstanding breathability, increased air permeability and a unique construction for ease of movement and flexibility. These combined properties also enable Stedair® PREVENT to minimize heat stress.

Stedair® PREVENT when tested accordingly to NFPA 1971 not only meets the required 90% blocking efficiency but surpasses with results of 99.99% blocking efficiency with marginal loss after extreme conditioning against particle size.

COMFORT AND PROTECTION A COMPROMISE? NOT ANYMORE.



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