



A NEW RANGE OF MOTION

EXCELLENT ELASTICITY WITH 20% STRETCH

PBI® Stretch is amazingly elastic and provides outstanding flexibility at pinch-points in firefighter ensembles.

LOOKS GREAT, FEELS GREAT

PBI® Stretch offers a trim look that feels comfortable while delivering a modern look.

FLEX TWILL ADVANTAGE

Designed to move with you, a flex twill weave allows wearers to move faster and easier on the job – even in tight quarters and compact spaces.

pbi® STRETCH

TECHNICAL DATA*	PBI® STRETCH
Nominal Weight	7.2 osy (244 gsm)
Construction	Flex Twill
Finish	FreeFAST™
Certification	NFPA 1971

Composite Testing		
TPP NFPA 1971	UL Certified	Up To 42
THL NFPA 1971	UL Certified	Up To 303

Strength/Durability		
Trap Tear ASTM 5587, NFPA 1971 (Warp x Fill)	Initial	35 x 33 lbf (156 x 147 N)
	5x after wash	32 x 29 lbf (142 x 129 N)
Tensile Strength ASTM D5034 (Warp x Fill)	Initial	250 x 200 lbf (1,112 x 890 N)
	10x after wash	230 x 184 lbf (1,023 x 818 N)

Thermal Testing		
Thermal Shrinkage NFPA 1971	Initial	< 10.0 percent
	5x after wash	< 10.0 percent
Flammability - After Flame ASTM D6413	Initial	< 2.0 sec
	5x after wash	< 2.0 sec
Flammability - Char Length ASTM D6413	Initial	< 0.4 in (< 10.1 mm)
	5x after wash	< 0.4 in (< 10.1 mm)

* All values subject to final certification and specification
 ** Tested on specific colors

AVAILABLE COLORS		
Black	Natural	<p>Sunlight/UV Exposure Advisory: Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid 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. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.</p>



TenCate Protective Fabrics is certified according:



All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics declines any form of liability related to the use of the attached specimen that shall be regarded as a sample only and therefore not meant to be used in any form of garment making.