



## A NEW RANGE OF MOTION

### THE ONLY OUTER SHELL WITH STRETCH

The first outer shell of its kind, PBI® Stretch XT delivers highly flexible performance to firefighters who need maximum range of motion on the job.

### STRONGER THAN EVER BEFORE

Powered by Enforce® technology for maximum levels of strength, this durable, flex twill weave allows wearers to move with confidence in challenging environments.

### LOOKS GREAT, FEELS GREAT

Finished with FreeFAS® durable water repellent finish, PBI® Stretch XT offers a lightweight feel for elevated levels of comfort – all while delivering a trim and modern look.

TECHNICAL DATA*	PBI® STRETCH XT
Nominal Weight	7.2 osy (245 gsm)
Construction	Woven (Twill)
Fiber Content	PBI®, Para-Aramid, Elastane
Finish	FreeFAST™
Certification	NFPA 1971

#### Thermal Performance

Flame Resistance ASTM D6413	Before laundering and after 5 laundering cycles	Compliant
Thermal Shrinkage NFPA 1971	Before laundering and after 5 laundering cycles	< 5%
Thermal Protective Performance (TPP) ISO 17492		up to 42

#### Physical Performance

Tensile Strength (lbf) ASTM D5034 (warp x fill)	Before laundering	250 x 200
	After 10 laundering cycles	240 x 180
Trapezoid Tear (lbf) ASTM D5587 (warp x fill)	Before laundering	150 x 50
	After 5 laundering cycles	140 x 40
Shrinkage (%)	After 5 laundering cycles	< 5%
Water Absorption Resistance (%)	Before laundering	< 15%
	After 5 laundering cycles	< 15%
Stretch and Recovery	Stretch	> 15%
	Recovery	> 95%

#### Comfort

Total Heat Loss (THL) ASTM F1868	Up to 300
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#### AVAILABLE COLORS



**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.



**STANDARD  
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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.