

A close-up photograph of a firefighter's protective gear, specifically a tan-colored jacket with two prominent yellow reflective stripes across the chest. A black air hose and a red-handled tool are visible on the left side of the jacket. The background shows a blurred view of a building with a brick chimney.

## A LEGACY OF PROTECTION

### PROVEN PROTECTION OF PBI® AND KEVLAR®

DuPont® and PBI® are trusted names that every firefighter knows and trusts.

### A PERFECT BLEND

By using Kevlar® filament yarns that are then reinforced with an additional wrapping of blended PBI® yarn, this outer shell fabric provides outstanding protection.

### TRADITIONAL RIP STOP APPEARANCE THAT REDUCES ABRASION

An innovative high-strength filament grid structure stands up against harsh conditions in the field.



TECHNICAL DATA*	PBI® XT
Nominal Weight	7.5 osy (254 gsm)
Construction	Woven (Modified Plain with Rip Stop Reinforcement)
Fiber Content	PBI®, para-Aramid
Finish	FreeFAST™
Certification	NFPA 1971

#### Thermal Performance

Thermal Protective Performance (TPP) ISO 17492	UL Certified	Up To 46
Thermal Shrinkage NFPA 1971	Before laundering	< 2.0 %
	After 5 laundering cycles	< 3.0 %
Flame Resistance ASTM D6413	Before laundering and after 5 laundering cycles	Compliant

#### Physical Performance

Trapezoid Tear ASTM D5587 (Warp x Fill)	Before laundering	55 x 50 lbf (245 x 222 N)
	After 5 laundering cycles	50 x 45 lbf (222 x 200 N)
Tensile Strength ASTM D5034 (Warp x Fill)	Before laundering	310 x 275 lbf (1,379 x 1,225 N)
	After 10 laundering cycles	300 x 245 lbf (1,334 x 1,090 N)
Water Absorption AATCC 42	Before laundering	<6%
	After 5 laundering cycles	< 10%
Shrinkage AATCC 135	After 5 laundering cycles	5%

#### Comfort

Total Heat Loss (THL) ASTM F1868	UL Certified	Up To 286
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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 100**  
1904050  
Centexbel

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.