

FLEX7[®] POWERED BY
pbi



**MADE TO
MOVE**

FEELS GREAT THE FIRST WEAR

An innovative Flex Twill weave delivers a broken-in feel for unmatched comfort and range of motion.

GROUNDBREAKING DURABILITY

Enforce™ Technology harnesses increased levels of fabric strength and superior abrasion resistance, even after multiple launderings.

REINFORCED WITH PBI[®] AND KEVLAR[®]

A blend of PBI[®] and Kevlar[®] fibers delivers an optimal balance of thermal protection and strength in high-heat environments.

TECHNICAL DATA*	FLEX7™
Nominal Weight	6.9 osy (235 gsm)
Construction	Woven (Twill)
Fiber Content	PBI®, para-Aramid
Finish	FreeFAST™
Certification	NFPA 1971

Thermal Performance

Flame Resistance NFPA 1971	Before laundering and after 5 laundering cycles	Compliant
Thermal Shrinkage NFPA 1971	Before laundering	< 1.5 %
	After 5 laundering cycles	< 2.5 %
Thermal Protective Performance (TPP) ISO 17492		Up to 52.3

Physical Performance

Tensile Strength ASTM D5043, (warp x fill)	Before laundering	315 x 315 lbf (1,402 x 1,402 N)
	After 10 laundering cycles	295 x 295 lbf (1,313 x 1,313 N)
Trapezoid Tear ASTM D5587, (warp x fill)	Before laundering	95 x 95 lbf (423 x 423 N)
	After 5 laundering cycles	67 x 67 lbf (300 x 300 N)
Shrinkage AATCC 135	After 5 laundering cycles	< 5.0 %
Water Absorption AATCC 42	Before laundering	< 10.0 %
	After 5 laundering cycles	< 10.0 %

Comfort

Total Heat Loss (THL) ASTM F1868	Up to 303
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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.



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.