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.

TenCate protectivefabrics | made for life

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TECHNICAL DATA*	FLEX7™
Nominal Weight	6.9 osy (235 gsm)
Construction	Woven (Twill)
Colors	Black, Natural
Fiber Content	PBI®, Para-Aramid
Finish	FreeFAS™
Certification	NFPA 1971

Flame Resistance			
Vertical Flame NFPA 1971	Initial	After flame	< 2.0 sec
		Char Length	< 0.4 in (< 10.0 mm)
	5x After Wash	After flame	< 2.0 sec
		Char Length	< 0.8 in (< 20 mm)
Thermal Shrinkage NFPA 1971	Initial		< 1.5 %
	5x After Wash		< 2.5 %

Physical Testing		
Tensile Strength ASTM D5043, (warp x fill)	Initial	315 x 315 lbf (1,402 x 1,402 N)
	10x After Wash	295 x 295 lbf (1,313 x 1,313 N)
Trapezoid Tear ASTM D5587, (wrap x fill)	Initial	95 x 95 lbf (423 x 423 N)
	5x After Wash	55 x 55 lbf (245 x 245 N)
Dimensional Stability AATCC 135		< 5.0 %

Comfort		
Total Heat Loss NFPA 1971		Up to 303
Water Absorption AATCC 42	Before Wash	< 10.0 %
	After Wash (5X)	< 10.0 %

Appearance (Score 5 Best to 1 Worst)			
Color Fastness	Laundering AATCC 61 3A	Shade Change	4
	Xenon Light Exposure AATCC 16	After 20 Hours	4
	Crocking AATCC 8	Dry	5
		Wet	5

AVAILABLE COLORS

Black

Natural

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.

MADE IN USA WITH GLOBAL COMPONENTS

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

TenCate Protective Fabrics is certified according: ISO 9001 BUREAU VERITAS Certification

Corporate Social Responsibility

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.

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