

| PIONEER™



TIME-TESTED, TRI-CERTIFIED

TIME TESTED

This tri-certified Kevlar®/Nomex® blend offers lightweight thermal protection throughout a wide range of environments.

DURABILITY IN THE FIELD

Pioneer™ boasts exceptional abrasion resistance thanks to the integrated Enforce™ technology.

WIDE COLOR PALETTE

Available in a wide range of colors for use in a wide range of industries.

PIONEER™

TECHNICAL DATA*	PIONEER
Nominal Weight	6.6 osy (224 gsm)
Construction	Woven (Twill)
Fiber Content	meta-Aramid, para-Aramid
Finish	FreeFAST™
Certification	NFPA 1971, NFPA 1977, NFPA 1951

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	<1.0 %
Thermal Protective Performance (TPP) ISO 17492		Up to 47.0

Physical Performance

Tensile Strength ASTM D5034 (Warp x Fill)	Before laundering	350 x 320 lbf (1,557 x 1,423 N)
	After 10 laundering cycles	300 x 250 lbf (1,334 x 1,112 N)
Trapezoid Tear ASTM D5587 (Warp x Fill)	Before laundering	50 x 40 lbf (222 x 178 N)
	After 5 laundering cycles	45 x 40 lbf (200 x 178 N)
Elmendorf Tear ASTM D1424, (Warp x Fill)	Before laundering	45 x 45 lbf (200 x 200 N)
Shrinkage AATCC 135	After 5 laundering cycles	< 1.0 %
Water Absorption AATCC 42	Before Laundering	< 10 %
	After 5 laundering cycles	< 10 %

Comfort

Total Heat Loss (THL) ASTM F1868	Up to 303
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AVAILABLE COLORS

Khaki	Light Gold	Dark Gold
Yellow	Black	

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.