

| EVOLV®



**EXCLUSIVELY
DESIGNED FOR
BULWARK®**

Evolv® 550

FOUND ONLY IN IQ® GARMENTS

Evolv® is the culmination of an exclusive partnership with legendary workwear garment maker Bulwark®.

PREMIUM FEEL

Evolv's unique blend containing TENCEL™ Lyocell fibers delivers elevated levels of lightweight wearability, softness, and overall comfort.

STRENGTH OF ARAMID FIBERS

Boasting a rare combination of high aramid content with CAT 2 protection – Evolv® represents a perfect balance of strength, protective performance, and wash durability.

TECHNICAL DATA*	EVOLV [®] 550	EVOLV [®] 550 Truecolor [®]
Nominal Weight	5.5 osy (186 gsm)	5.5 osy (186 gsm)
Construction	Woven	Woven
Color	Light Gray, Khaki, Light Blue	Navy, Charcoal
Fiber Content	Aramid, Lyocell, Modacrylic	Aramid, Lyocell, Modacrylic
Certification(s)	ASTM F1506, NFPA 2112, NFPA 70E	ASTM F1506, NFPA 2112, NFPA 70E

Thermal Testing (Flame Resistance)

Manikin Burn NFPA 2112	Predicted Body Burn	Pass	Pass
Arc Thermal Performance Value or ATPV NFPA 70E, ASTM 1959	ATPV Rating	9.1 cal/cm ²	8.5 cal/cm ²
	PPE Category	Category 2	Category 2
Vertical Flame ASTM 6413, NFPA 2112	Initial and 100x after wash	After flame	< 2.0 sec
		Char length	< 2.0 sec
Thermal Shrinkage NFPA 2112	Initial and 3x after wash	< 4.0 in (100 mm)	< 4.0 in (100 mm)
		< 10%	< 10%

Physical Testing

Tensile Strength ASTM D5034, warp x fill	Initial	115 x 90 lbf (510 x 400 N)	120 x 85 lbf (535 x 379 N)
Elmendorf Tear ASTM D1424, warp x fill		6.5 lbf (30 N)	10 lbf (45 N)
Dimensional Stability AATCC 135		< 3 %	< 3 %
Seam Strength ASTM D434, Force at 0.25 in slippage		35 lbf (155 N)	35 lbf (155 N)

Appearance* (Score 5 Best to 1 Worst)

Color Fastness	Laundrying AATCC 61 2A	Shade Change	Up to 4-5*	Up to 4-5*
	Xenon Light Exposure AATCC 16	After 20 hours	Up to 4*	Up to 5*
	Color Fastness to Crocking AATCC 8	Wet	Up to 5*	Up to 5*
		Dry	Up to 4-5*	Up to 4-5*
	Pilling Resistance ASTM D3512	Initial: 60 min	Up to 5*	Up to 4*

* All values subject to final certification and specification. Tested on specific colors. Appearance is dependent on shade of fabric.

AVAILABLE COLORS

Light Gray	Khaki	Light Blue	Navy	Charcoal
------------	-------	------------	------	----------

OPTIONAL COLORS

Additional color options may be available. Please contact TenCate Protective Fabrics for more information.

Color shades and textures may vary. Please contact your sales representative for swatch samples.



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.