



## LIGHTWEIGHT FABRIC WITH HEAVYWEIGHT PROTECTION

### Evolv® 650

#### THE NEXT EVOLUTION IN FR TECHNOLOGY

The superior FR protection of heavier weight fabrics available in a lightweight alternative means more comfort on the job without sacrificing any safety advantages.

#### ALL THE BENEFITS OF COOLDERM™ TECHNOLOGY

Active moisture wicking ensures quicker drying time to keep sweat away from the skin. Stay cooler and drier on the job.

#### AVAILABLE EXCLUSIVELY FROM BULWARK®

Engineered especially for Bulwark® to meet the needs of a changing industrial market. Bulwark® is a trusted partner of TenCate Protective Fabrics.

# EVOLV<sup>®</sup>

TECHNICAL DATA*	EVOLV <sup>®</sup> 650
Nominal Weight	6.5 osy (220 gsm)
Construction	Twill
Color	Navy
Fiber Content	Aramid, Lyocell, Modacrylic
Certification(s)	ASTM F1506, NFPA 2112, NFPA 70E

## Thermal Testing (Flame Resistance)

Manikin Burn NFPA 2112	Predicted Body Burn	Pass
Arc Thermal Performance Value or ATPV NFPA 70E, ASTM 1959	ATPV Rating	8.4 cal/cm <sup>2</sup>
	PPE Category	Category 2
Vertical Flame ASTM 6413, NFPA 2112	Initial and 100x after wash	After flame < 2.0 sec
		Char length < 4.0 in (100 mm)
Thermal Shrinkage NFPA 2112	Initial and 3x after wash	< 10%

## Physical Testing

Tensile Strength ASTM D5034, warp x fill	Initial	150 x 110 lbf (668 x 490 N)
Elmendorf Tear ASTM D1424, warp x fill		10 lbf (45 N)
Dimensional Stability AATCC 135		< 3 %
Seam Strength ASTM D434, Force at 0.25 in slippage		50 lbf (223 N)

## Appearance (Score 5 Best to 1 Worst)

Colorfastness Laundering (AATCC 61.2A)	Shade Change	Up to 4.0-5.0 *
Xenon Light Exposure AATCC 16	After 20 hours	Up to 5.0 *
	After 40 hours	Up to 5.0 *
	After 60 hours	Up to 5.0 *
Colorfastness to Crocking AATCC 8	Wet	Up to 4.0-5.0*
	Dry	Up to 5.0*
Pilling Resistance ASTM D3512	Initial: 60 min	Up to 4.0-5.0*

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

## AVAILABLE COLORS

Navy

## 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.



STANDARD  
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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.