

# | TECASAFE® ONE



## THE NEW ALTERNATIVE TO 88/12

### Tecasafe® One 850

#### VALUE FOR MONEY

At 8.5-ounces, this durable, inherently flame-resistant fabric offers strong performance benefits at a competitive price point.

#### COMFORT MEETS DURABILITY

Designed for use in coveralls, trousers, and other robust applications, this versatile fabric offers improved wearer comfort without sacrificing durability.

#### WASH AFTER WASH

Tecasafe® One boasts outstanding lifetime performance and color retention – even through heavy wear and industrial laundering.

# TECASAFE® ONE

TECHNICAL DATA*	TECASAFE® ONE 850
Nominal Weight	8.5 osy (288 gsm)
Width	60 in Min
Construction	Woven
Color	Navy, Charcoal, Spruce
Fiber Content	Modacrylic, Cotton, Lyocell, Aramid
Certification(s)	ASTM 1506, NFPA 2112

## Thermal Testing (Flame Resistance)

Manikin Burn NFPA 2112	Predicted Body Burn	10%	
Arc Thermal Protective Rating (ATPV) NFPA 70E, ASTM 1959	E <sub>BT</sub> Rating	11 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)

## Physical Testing

Tensile Strength ASTM D5043	Initial (warp x fill)	145 x 90 lbf (645 x 400 N)
Elmendorf Tear ASTM D1424	Initial (warp x fill)	13 x 11 lbf (62 x 62 N)
Dimensional Stability AATCC 135		≤ 5.0%

## Comfort

Air Permeability ASTM D737	50 ft <sup>3</sup> /min/ft <sup>2</sup>
-------------------------------	-----------------------------------------

## Appearance \*Score 5 (best) to 1 (Worst)

Color Fastness	Laundering AATCC 61.2A	Shade Change	Up to 4 *
	Xenon Light Exposure AATCC 16	After 20 Hours	Up to 4 *
	Pilling Resistance ASTM D3512	Initial: 60 min	Up to 4 *

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

## AVAILABLE COLORS

Navy	Charcoal	Spruce
------	----------	--------

## 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.