

| TECASAFE® ONE



THE NEW ALTERNATIVE TO 88/12

EXCEPTIONAL VALUE

At 5.7-ounces, this durable, inherently flame-resistant fabric offers premium benefits at a competitive price point.

ULTRA BREATHABLE

A lightweight, comfortable feel that's ~5x more breathable so wearers can stay cool and dry in harsh conditions.

WASH AFTER WASH

Tecasafe® One boasts outstanding color retention — even through heavy wear and industrial laundering.

TECASAFE® ONE

TECHNICAL DATA*	TECASAFE® ONE
Nominal Weight	5.7 osy (193 gsm)
Construction	Woven
Color	Denim Navy, Gray, Hi-Vis Yellow, Khaki, Light Blue, Light Gray, Orange, Red, Royal, Spruce, Yellow
Fiber Content	Modacrylic, Lyocell, Aramid
Certification(s)	ASTM 1506, NFPA 2112, NFPA 70E, ANSI 107, CAN/CGSB155.20, NFPA 1977

Thermal Testing (Flame Resistance)

Manikin Burn NFPA 2112	Predicted Body Burn	19.67 %
Arc Thermal Protective Rating (ATPV) _{NFPA 70E, ASTM 1959}	ATPV Rating	8.2 cal/cm ²
	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 D5043	Initial (warp x fill)	110 x 75 lbf (490 x 334 N)
Elmendorf Tear ASTM D1424	Initial (warp x fill)	8.0 x 7.0 lbf (36 x 31 N)
Dimensional Stability AATCC 135		< 4.0 %
Seam Strength ASTM D434, Force at 0.25 in slippage		30 lbf (134 N)

Comfort

Air Permeability ASTM D737	135 ft ³ /min/ft ²
MVTR ASTM E96	1600 g/m ² /24h

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

Color Fastness	Laundrying AATCC 61 2A	Shade Change	Up to 4 *
	Xenon Light Exposure AATCC 16	After 20 Hours	Up to 2-3 *
	Pilling Resistance ASTM D3512	Initial: 60 min	Up to 4.5 *

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

AVAILABLE COLORS

Light Blue	Denim Navy	Royal	Spruce	Gray	Light Gray
Hi-Vis Yellow	Yellow	Orange	Red	Khaki	

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.