

# | **TECASAFE®PLUS**



**MAKE ANY  
CONDITION YOUR  
COMFORT ZONE**

## **Tecasafe®Plus 580**

### **COOL, DRY, AND COMFORTABLE**

Integrated wicking Coolderm™ offers enhanced moisture management to promote body temperature regulation and breathability.

### **COLOR AND CONFIDENCE**

Tecasafe® Plus stands up to repeated laundering and resists fading in both light shades and Truecolor™ technology-powered dark shades.

### **ECO-FRIENDLY**

Features sustainably-sourced, eco-friendly Tencel® Lyocell, with EPD® for measurable impact.

# TECASAFE® PLUS

TECHNICAL DATA*	TECASAFE® PLUS 580	TECASAFE® PLUS 580 TRUECOLOR™
Nominal Weight	5.8 osy (197 gsm)	5.8 osy (197 gsm)
Construction	Woven	Woven
Color	Hi-Vis Yellow, Yellow, Orange, Red, Light Blue, Royal, Gray, Khaki	Navy**
Fiber Content	Lyocell, Aramid, Modacrylic	Modacrylic, Lyocell, Aramid
Certification(s)	NFPA 2112, NFPA 1975, NFPA 1977	NFPA 2112, NFPA 1975, NFPA 1977, ASTM 1506

## Thermal Testing (Flame Resistance)

Manikin Burn CGSB 155.20, NFPA 2112	Predicted Body Burn	Pass	Pass
Arc Thermal Performance Value NFPA 70E, ASTM 1959	ATPV Rating	6.5 cal/cm <sup>2</sup>	7.1 cal/cm <sup>2</sup>
	PPE Category	Category 1	Category 1
Vertical Flame ASTM 6413, NFPA 2112	Initial and 100x after wash	< 2.0 sec	< 2.0 sec
	After flame Char length	< 4.0 in (100 mm)	< 4.0 in (100 mm)
Thermal Shrinkage NFPA 2112	Initial and 3x after wash	< 10 %	< 10 %

## Physical Testing

Tensile Strength ASTM D5034, warp x fill	116 x 84 lbf (517 x 375 N)	95 x 83 lbf (523 x 370 N)
Elmendorf Tear ASTM D1424, warp x fill	10.0 x 9.0 lbf (44 x 40 N)	9 x 7 lbf (40 x 32 N)
Dimensional Stability AATCC 135	< 3.0 %	< 3.0 %
Seam Strength ASTM D434, Force at 0.25 in slippage	30 lbf (134 N)	40 lbf (179 N)

## Comfort

Air Permeability ASTM D737	92 ft <sup>3</sup> /min/ft <sup>2</sup>	92 ft <sup>3</sup> /min/ft <sup>2</sup>
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## Appearance \*Score 5 (best) to 1 (Worst)

Color Fastness	Laundering AATCC 61 2A	Shade Change	Up to 4 - 5 *	Up to 4 *
	Laundering AATCC 61 3A	Shade Change	Up to 4 *	Up to 3-4*
	Xenon Light Exposure AATCC 16	After 20 hours	Up to 4-5 (20 hours) — Up to 4-5 (40 hours) — Up to 4 (60 hours) *	Up to 4 *
	Pilling Resistance ASTM D3512	Initial: 60 min	Up to 4 *	Up to 3 *

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

\*\* This product family has achieved or is in the process of achieving this third-party safety standard in every color and finish.

## AVAILABLE COLORS

Hi-Vis Yellow	Yellow	Orange	Red	Light Blue	Royal
Gray	Khaki	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.



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.