

# | **TECASAFE® PLUS**



## **TECASAFE® PLUS 700** **7.0 osy (238 gsm)**

### **COOLER AND DRIER IN ALL SITUATIONS**

Tecasafe® Plus provides an excellent moisture management control that keeps the wearer cool and dry at all times.

### **OUTSTANDING AFTER-WASH APPEARANCE**

Featuring Truecolor™ Technology, which provides outstanding after-wash appearance by retaining its original color without fading.

### **SUPERIOR INHERENT FR PROTECTION**

Inherently heat- and flame-resistant fabric that offers excellent protection against multiple high-risk situations, such as flash fire and electric arc.

# TECASAFE® PLUS

TECHNICAL DATA	TECASAFE® PLUS	TECASAFE® PLUS Truecolor™
Nominal Weight (+/- 5%)	7.0 osy (238 gsm)	7.0 osy (238 gsm)
Construction	Twill	Twill
Colors	AS Gold, Hi-Vis Yellow, Gray, Light Blue, Khaki, Orange, Royal Blue, Red, Yellow, Lime Green, SES Orange	Navy, Spruce Green, Black
Fiber Content	Modacrylic, Lyocell, Aramid	Modacrylic, Lyocell, Aramid
Certification/Compliant	NFPA 2112, ASTM F1506, EN ISO 11612, NFPA 1975, NFPA 1977, AS/NZS 1906.4, AS/NZS 4824:2021	NFPA 2112, ASTM F1506, EN ISO 11612, NFPA 1975, NFPA 1977

Flame Resistance			
PPE Rating	NFPA 70E	Category 2	Category 2
Electric Arc Rating	ASTM F1959	9 cal/cm <sup>2</sup>	11 cal/cm <sup>2</sup>
Predicted Body Burn	NFPA 2112	PASS	PASS
Vertical Flame Initial: After flame Initial: Char length After 100x Wash: After flame After 100x Wash: Char length	ASTM D6413, NFPA 2112	< 2 sec < 4 in (100 mm) < 2 sec < 4 in (100 mm)	< 2 sec < 4 in (100 mm) < 2 sec < 4 in (100 mm)
Thermal Shrinkage Initial 3x After Wash	NFPA 2112	< 10% < 10%	< 10% < 10%
Thermal Protective Performance With Spacer Without Spacer	NFPA 2112	12.3 cal/cm <sup>2</sup> 10.9 cal/cm <sup>2</sup>	10.5 cal/cm <sup>2</sup> 7.5 cal/cm <sup>2</sup>
Flame Resistance Before laundering After flame	ASTM D 6413, NFPA 2112	< 10.0 cm None	< 10.0 cm None
Flame Spread Face Ignition (Procedure A) Edge Ignition (Procedure B, Folder Edge)	ISO 15025:2000	No hole formation, No molten or flaming. No afterglow. No molten or flaming debris. No after flame Afterglow did not spread.	
Heat Resistance	ISO 17493:2000 at 260°C, 5 minutes	< 10.0%	< 10.0%

Fabric Strength			
Tensile Strength Warp x Fill	ASTM D5034	710 x 465 N	623 x 378 N
Elmendorf Tear Warp x Fill	ASTM D1424	58 x 45 N	44 x 36 N

Comfort/Appearance*			
Dimensional Change	ASTM D5034	< 3.0%	< 4.0%
Color Fastness Laundering Shade Change	AATCC 61 2A	5	3-4
Pilling Resistance Initial 60 min (Score 5: Best to 1:Worst)	ASTM D3512	5	5
Air Permeability	ASTM D3787 ASTM D737-96	53 ft <sup>3</sup> /ft <sup>2</sup> /min	53 ft <sup>3</sup> /ft <sup>2</sup> /min
UV Protection		50+ UPF	50+ UPF

\* Appearance depends on shade of fabric.

STANDARD COLOURS					OPTIONAL COLOURS
AS Gold	Hi-Vis Yellow	Gray	Light Blue	Khaki	TenCate Protective Fabrics, the world's textile dyeing expert, can produce almost every color with a minimum quantity. For more information about color-combination requirements, as well as any other information you may need, please contact us at <a href="mailto:apacsales@tencatefabrics.com">apacsales@tencatefabrics.com</a> Colors shown here are reference only.
Orange	LimeGreen	Royal Blue	Red	Yellow	
Black	Navy	Spruce Green			

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. To learn more, visit Asia. [TenCateFabrics.com](http://TenCateFabrics.com) or email to [APACSales@tencatefabrics.com](mailto:APACSales@tencatefabrics.com)