

# | TECASAFE® PLUS



**MAKE ANY  
CONDITION YOUR  
COMFORT ZONE**

## **TECASAFE® PLUS 4.8 osy (160 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	4.8 osy (160 gsm)	4.8 osy (160 gsm)
Construction	Plain weave	Plain weave
Colors	Gray, Hi-Vis Yellow, Orange	Navy
Fiber Content	Modacrylic, Lyocell, Aramid	Modacrylic, Lyocell, Aramid
Certification/Compliant	NFPA 2112, ASTM F1506, EN ISO 11612, AS/NZS 1906.4	NFPA 2112, ASTM F1506, EN ISO 11612

Flame Resistance			
PPE Rating	NFPA 70E	Category 1	Category 1
Electric Arc Rating	ASTM F1959	5.0 cal/cm <sup>2</sup>	6.3 cal/cm <sup>2</sup>
Predicted Body Burn	NFPA 2112	PASS	PASS
Thermal Protective Performance With Spacer Without Spacer	NFPA 2112	9.7 cal/cm <sup>2</sup> 7.7 cal/cm <sup>2</sup>	9.9 cal/cm <sup>2</sup> 6.7 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	525 x 385 N	490 x 375 N
Elmendorf Tear Warp x Fill	ASTM D1424	21 x 16 N	21 x 17 N

Comfort/Appearance			
Dimensional Change	ASTM D5034	≤ 3.0%	≤ 3.0%
Pilling Resistance Initial 60 min (Score 5: Best to 1:Worst)	ASTM 3512	4-5	4-5
Air Permeability	ASTM D3787 ASTM D737-96	140 ft <sup>3</sup> /ft <sup>2</sup> /min	140 ft <sup>3</sup> /ft <sup>2</sup> /min
UV Protection		25+ UPF	25+ UPF

\* Appearance depends on shade of fabric.

STANDARD COLOURS	OPTIONAL COLOURS
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: gray; width: 40px; height: 40px; margin: 5px;"></div> <div style="background-color: yellow; width: 40px; height: 40px; margin: 5px;"></div> <div style="background-color: orange; width: 40px; height: 40px; margin: 5px;"></div> <div style="background-color: navy; width: 40px; height: 40px; margin: 5px;"></div> </div> <p style="text-align: center; margin-top: 5px;">Gray      Hi Vis Yellow      Orange      Navy</p>	<p>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></p> <p>Colors shown here are reference only.</p>