



TECASAFE® PLUS

4.8 osy (PPE 1) / 5.8 osy (PPE 1) / 7.0 osy (PPE 2)

TECASAFE® PLUS MULTILITE™

5.5 osy (PPE 2)

COOLER AND DRIER IN ALL SITUATIONS

Featuring Coolderm™ Technology, which provides an excellent moisture management control that keeps the wearer cooler and drier at all times without any harsh chemical treatments.

TRUECOLOR™ Technology

Outstanding after-wash appearance by retaining its original color without fading. It is the ideal solution for garments that must be laundered frequently.

SUPERIOR INHERENT FR PROTECTION

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

PROPERTIES	480	580	700	550 (Multilite™)
Nominal Weight	160 gsm	200 gsm	240 gsm	185 gsm
Woven Type	Plain	Twill	Twill	Twill
Fiber Content	Modacrylic, Lyocell and Aramid			
Features	COOLDERM™ Technology and TRUECOLOR™ Technology			
Colors Available	Gray, Hi-Vis Yellow, Orange, Navy	AS Gold, Hi-Vis Yellow, Gray, Light Blue, Khaki, Orange, Royal Blue, Red, Yellow, Navy, Spruce Green	AS Gold, Hi-Vis Yellow, Gray, Light Blue, Khaki, Orange, Lime Green, Royal Blue, Red, Yellow, Black, Navy, Spruce Green	Gray, Light Blue, Khaki, Orange, Red, Yellow, Navy, Spruce Green
Compliance	NFPA 2112, NFPA 70E and ASTM F1506			

PROTECTION	480	580	700	550 (Multilite™)
NFPA 70E PPE Rating	Category 1	Category 1	Category 2	Category 2
Electric Arc Rating ASTM 1959	5.0-6.3 cal/cm ²	6.5-7.1 cal/cm ²	9.0-11.0 cal/cm ²	8.5 cal/cm ²
Predicted Body Burn ASTM 1930/NFPA 2112	40-43%	23-38%	15-18%	32-35%
Thermal Protective Performance NFPA 2112				
With Spacer	9.7-9.9 cal/cm ²	9.1-9.6 cal/cm ²	10.5-12.3- cal/cm ²	9.9-10.6 cal/cm ²
Without Spacer	6.7-7.7 cal/cm ²	6.6-6.7 cal/cm ²	8.0-10.9 cal/cm ²	6.4-6.6 cal/cm ²
Flame Resistance ASTM 6413, NFPA 2112				
Before Laundering	< 10.0 cm	< 10.0 cm	< 10.0 cm	< 10.0 cm
After Flame	none	none	none	none
Flame Spread ISO 15025:2000	No hole formation, No molten or flaming. No afterglow. No molten or flaming debris. No after flame. Afterglow did not spread.			
Face Ignition PROCEDURE A				
Edge Ignition PROCEDURE B, Folder Edge				
Heat Resistance ISO 17493:2000 at 260°C, 5 minutes	< 10.0%	< 10.0%	< 10.0%	< 10.0%

FABRIC STRENGTH	480	580	700	550 (Multilite™)
Tensile Strength ASTM D5034				
WARP	340-370 N	458-507 N	600-609 N	485-489 N
FILL	280-300 N	378-431 N	378-500 N	378-396 N
Elmendorf Tear ASTM D1424				
WARP	15 N	31-49 N	33-44 N	32-44 N
FILL	12 N	28-44 N	26-36 N	38-44 N

COMFORT & APPEARANCE	480	580	700	550 (Multilite™)
Dimensional Change ISO 5077:1984	≤ 3.0%	≤ 3.0%	≤ 3.0%	≤ 3.0%
Pilling Resistance ASTM 3512, Ratings: 5 Best, 3 Acceptable, 1 Poor	4-5	5	5	4-5
Air Permeability ASTM 3787 / ASTM D737-96	140	92	53	67
SunSHIELD™ UV Protection	25+ UPF	50+ UPF	50+ UPF	50+ UPF

* All values subject to final certification and specification.

** Tested on specific colors.

STANDARD COLORS

AS Gold	Hi Vis Yellow	Gray	Light Blue	Khaki	Orange
Lime Green	Royal Blue	Red	Yellow	Black (TRUECOLOR™)	Navy (TRUECOLOR™)
Spruce Green (TRUECOLOR™)					

OPTIONAL COLORS

TenCate Protective Fabric, the world's textile dyeing expert, can produce almost every color with a minimum quantity of 3000 yards. Smaller quantities can be ordered, subject to a surcharge. For more information, please contact TenCate Protective Fabrics.

