



Unbeatable Flash Fire Protection.

TenCate Tecasafe® Plus is a comfortable, light-weight fabric with inherent heat and flame resistant properties. NFPA 2112 certified, it provides durable and affordable flash fire protection for workers in the petroleum, petrochemical, fire service, and other professionals that may be exposed to flash fire. Below, you will see how this inherently flame-resistant fabric provides superior protection and outperforms other protective fabrics.

There's also Tecasafe Plus Hi-Vis yellow. No need to wear a separate Hi-Vis vest over your flame resistant shirt.

Unbeatable Electric Arc Protection.

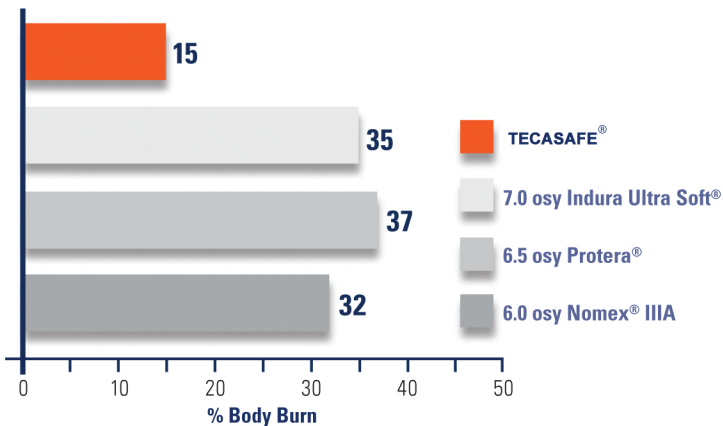
TenCate Tecasafe® Plus is a comfortable, light-weight fabric with inherent heat and flame resistant properties. NFPA 70E HRC 2 compliant, it provides durable and affordable electric arc protection to electricians, electrical contractors, and other professionals with potential exposure to electric arc flash. Below, you will see how this inherently flame-resistant fabric provides superior protection and outperforms the competition.

There's also Tecasafe Plus Hi-Vis yellow. No need to wear a separate Hi-Vis vest over your flame resistant shirt.



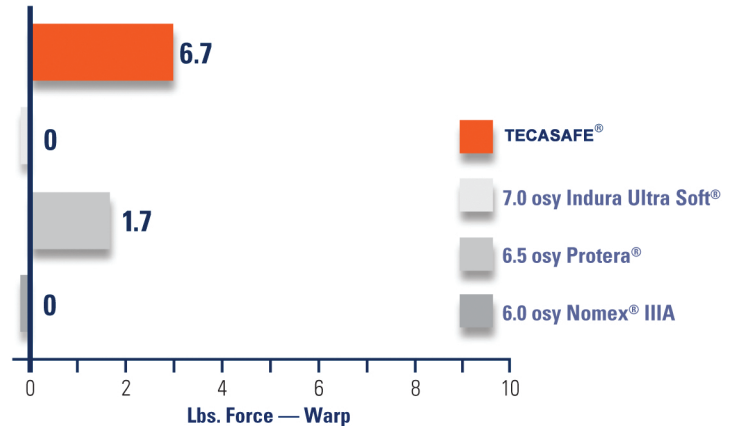
MANIKIN % BURN

ASTM F 1930 Manikin Test % Body Burn After 3 sec. Exposure





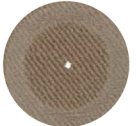

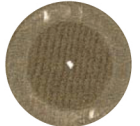
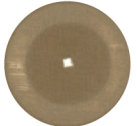


STRENGTH AFTER THERMAL EXPOSURE

ASTM D 5034 Tensile Strength Test After 10 sec. TPP Exposure



TABER ABRASION TEST RESULTS

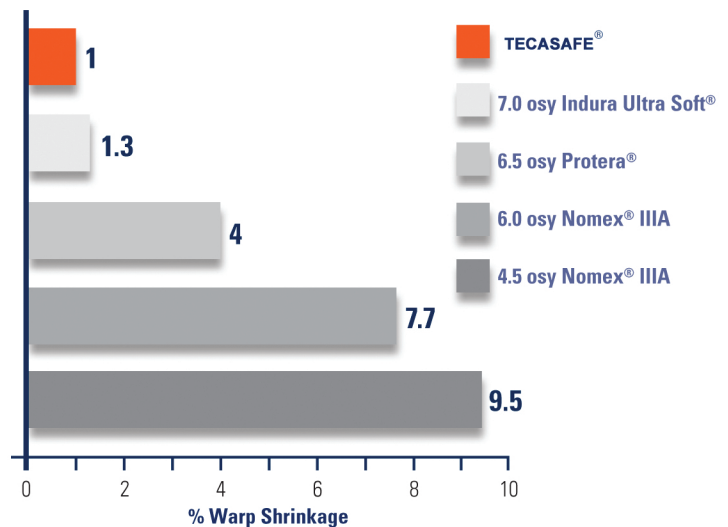
	TECASAFE®	INDURA® ULTRA SOFT®	PROTERA®	NOMEX® IIIA
150 CYCLES				
250 CYCLES				

- **Inherently flame resistant** – FR properties are built in, and won't wash or wear out. Exceeds NFPA 2112 and NFPA 70E HRC 2 performance standards.
- **Comfortable to wear** – Soft and breathable. Superior moisture management because of special cellulosic fiber content.
- **Exceptional durability** – Outstanding abrasion resistance and better strength retention after multiple commercial washes.
- **Outstanding laundered appearance** – Fabric retains its like-new look and maintains permanent pressed appearance better than other protective fabrics.
- **Excellent value** – Long life cycle and competitive price means lowest cost.



RESISTANCE TO THERMAL SHRINKAGE

NFPA 2112 TPP Thermal Shrinkage Test





● Khaki ● Light Blue ● Gray ● Royal Blue ● Red ● Yellow ● Orange¹ ● Hi-Vis Yellow² ● Navy

PHYSICAL PROPERTIES		TECASAFE®	NFPA 70E Requirement		NFPA 2112 Requirement
			HRC 1	HRC 2	
Weight (±5%)	oz (sq yd) grams (sq meter)	7.0 oz 238g			
Fiber Blend		48% fr-modacrylic 37% lyocell 15% aramid			
Standard Colors (other colors available upon request)		● ● ● ● ● ●			
Arc Thermal Performance Value (ATPV) (cal/cm²) ASTM F 1959		9.0	5.0 min	8.0 min	
Flame Resistance ASTM D 6413 Char Length (inches [warp x fill]) After Flame (seconds [warp x fill])		<4.0 x <4.0 0.0 x 0.0	6.0 max	6.0 max	4.0 max 2.0 max
Thermal Protective Performance (cal/cm²) with spacer without spacer		12.3 10.9			6.0 min 3.0 min
Flash Fire Exposure (Manikin Test) ASTM F 1930 (% body burn [2 cal/cm²/sec] @ 3 sec)		15%			50.0 max
Tensile Strength (lbs [warp x fill]) ASTM D 5034		135 x 85			
Elmendorf Tear Strength (lbs [warp x fill]) ASTM D 1424		8.0 x 7.0			
Dimensional Stability AATCC 135 (% [5x]) 120°F		<3.0			
Wicking 1" strip, tap water (seconds)	0.5 inches 1.0 inches 1.5 inches 2.0 inches	3.5 13.0 29.0 61.0			
Pilling Resistance 30-120 minutes ASTM D 3512		*5			
Thermal Shrinkage Resistance (% [500°F, 5 minutes])		<1.0			10.0 max

Ratings: *5—Best, *3—Acceptable, *1—Poor

1. Tecasafe plus Orange meets Canadian high-visibility safety standard CSA Z96-2009.

2. Tecasafe plus Hi-Vis Yellow meets high-visibility safety standards ANSI 107 and CSA Z96-2009.

Colors In Stock:



Light Blue 700



Khaki 700



Navy 700-A

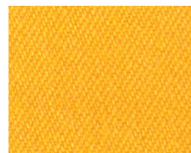


Orange 700

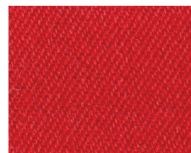
Available in:

SHIRTS
 PANTS
 BEE HIVE HOOD
 JACKET - 32"
 BIB OVERALL
 COVERALL
 OVER PANT
 JACKET W/HOOD
 COAT - 50"
 LEGGING

Also Available:



Yellow 700



Red 700



Royal Blue 700



Gray 700



Hi Viz Yellow 700