

TenCate Tecasafe® Plus

Unbeatable Electric Arc and Flash Fire Protection

TenCate Tecasafe® plus delivers superior electric arc and flash fire protection in a comfortable lightweight fabric. It performs to the NFPA 70E and NFPA 2112 standards and lasts longer than FR treated fabrics, making Tecasafe Plus a great value. Unlike other protective fabrics, it is inherently flame resistant. So, the unique FR protection comes built-in, and won't wash out or wear out.

TenCate high performance fabrics provide protection, comfort, durability and excellent value.

Inherently flame resistant: FR properties are built in, and won't wash or wear out. Exceeds NFPA 70E HRC 1, HRC 2, and NFPA 2112 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.

Performance Data						
Property	Tecasafe® Plus 580	Tecasafe® Plus 700	Tecasafe® Plus 850	NFPA 70E Requirement		NFPA 2112 Requirement
				HRC1	HRC2	
Weight (± 5%) oz (sq yd) Weight (± 5%) grams (sq metre)	5.8oz 195g	7.0oz 235g	8.5oz 285g			
Fibre blend	48% fr-modacrylic 37% lyocell 15% aramid	48% fr-modacrylic 37% lyocell 15% aramid	48% fr-modacrylic 37% lyocell 15% aramid			
ARC Thermal Performance Value (ATPV) (cal/cm2) ASTM F 1959	6.5	9.0	10.2	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	<4.0 x <4.0 0.0 x 0.0	<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	9.6 6.6	12.3 10.9	10.0 8.0			6.0 max 3.0 max
Flash Fire Exposure (Manikin Test) ASTM F 1930 (% body burn [2 cal/cm2 /sec] @ 3 sec)	23%	15%	19%			50.0 max
Thermal Shrinkage Resistance (% 500°F, 5 minutes)	<5.0	<1.0	<3.0			10.0 max