

	480	580	670	700
Nominal Weight	4.8 osy (163 gsm)	5.8 osy (197 gsm)	6.7 osy (227 gsm)	7.0 osy (237 gsm)
Woven Type	Plain	Twill	Swiss Pique	Twill
Fiber Content	Modacrylic, Cellulose, Aramid			
High-Visibility Colors	ANSI 107-2010 Yellow CSA Z96-2009 Oranger			
Colors	Other colors by request	Hi-Vis Yellow, Red, Light Blue, Royal Blue, Heather Gray & Khaki	Hi-Vis Yellow, Red, Light Blue, Royal Blue, Heather Gray Khaki &Navy Blue	Hi-Vis Yellow, Red, Light Blue, Royal Blue, Gray & Khaki
Coolderm™ Technology	Yes			
Made in America	Yes			
NFPA 70E PPE Rating	PPE 1	PPE 1	PPE 2	PPE 2
Electric Arc Rating NFPA 1959	5.0 cal/cm²	6.5 cal/cm²	98.2 cal/cm²	9.0 cal/cm²
Predicted Body Burn ASTM 1930 / NFPA 2112	Pass			
НТР	ASTM 2700			
with spacer without spacer	cal/cm² cal/cm²	cal/cm² cal/cm²	12.0 cal/cm² 8.0 cal/cm²	cal/cm² cal/cm²
Flame Resistance	ASTM 6413 / NFPA 2112			
before laundering after flame	<10.0 cm <2 sec	<10.0 cm <2 sec	<10.0 cm <2 sec	<8-9 cm <2 sec
Flame Spread	ISO 15025:2000			
face ignition PROCEDURE A edge ignition PROCEDURE B. folded edge	No hole formation. No molten or flaming debris. No after flame. 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%	<10.0%	<10.0%
Tensile Strength ISO 13934-1:1999	-	725 x 530 N	-	1,005 x 655 N
Tear Strength ISO 4674-1:2003 METHOD B	21 x 16 N	29 x 31 N	-	35 x 35 N
Dimensional Change ISO 5077:1984	<3.0%	<3.0%	<5.0%	<3.0%
Pilling Resistance ASTM 3512, Ratings: 5 Best, 3 Acceptable, 1 Poor	4 - 5	5	5	5
Air Permeability ASTM 3787	140	92	265	53
SunSHIELD™ UV Protection	25+ UPF	50+ UPF	50+ UPF	50+ UPF



All listed data represent typical values. Results from multiple tests unless otherwise stated. To the best of our knowledge, all information contained herein is accurate. TenCate Protective Fabrics USA assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. TenCate Protective Fabrics describes only certain hazards but cannot guarantee these are the only hazards. Copyright © 2017 TenCate Protective Fabrics USA. TECASAFE*PLUS and COOLDERM™ Technology are trademarks of TenCate Protective Fabrics USA. Tecasafe_Plus.pdf | Version 04042017A