

| **TECASAFE® PLUS**



**MAKE ANY
CONDITION YOUR
COMFORT ZONE**

Tecasafe® Plus Swiss Pique

PROFESSIONAL LOOK

A Swiss Pique knit construction delivers increased ease-of-motion while serving as a clean alternative to woven button up shirts.

COOL, DRY, AND COMFORTABLE

Integrated wicking Coolderm™ offers enhanced moisture management to promote body temperature regulation and breathability.

COLOR AND CONFIDENCE

Tecasafe® Plus stands up to repeated laundering and resists fading in both light shades and Truecolor™ technology-powered dark shades.

TECASAFE® PLUS

TECHNICAL DATA*	TECASAFE® PLUS SP	TECASAFE® PLUS SP TRUECOLOR™
Nominal Weight	6.7 osy (227 gsm)	6.7 osy (227 gsm)
Construction	Knit	Knit
Color	Orange, Hi-Vis Yellow, Khaki, Light Blue	Navy, Heather Gray, Gray, Black
Fiber Content	Modacrylic, Lyocell, Aramid	Modacrylic, Lyocell, Aramid
Certification(s)	ASTM 1506, NFPA 1975, NFPA 2112	ASTM 1506, NFPA 1975, NFPA 2112

Thermal Testing (Flame Resistance)

Manikin Burn NFPA 2112	Predicted Body Burn	Pass	Pass
Energy Breakopen Threshold NFPA 70E, ASTM 1959	ATPV Rating	8.3 cal/cm ²	8.2 cal/cm ²
	PPE Category	Category 2	Category 2
Vertical Flame ASTM 6413, NFPA 2112	Initial and 100x after wash	After flame	< 2.0 sec
		Char length	< 4.0 in (100 mm)
Thermal Shrinkage NFPA 2112	Initial and 3x after wash	< 10 %	< 10 %

Physical Testing

Burst Strength – Ball Method ASTM D3787		99 lbf (440 N)	105 lbf (460 N)
Burst Strength – Mullen Method ASTM D3786		100 psi (675 kPa)	100 psi (675 kPa)
Dimensional Stability AATCC 135		< 5.0 %	< 5.0 %
Fabric Stretch and Recovery warp x fill	Fabric Stretch	16% x 42%	32 % x 20 %
	Fabric Recovery	95% x 91%	90 % x 94 %

Comfort

Air Permeability ASTM D737		280 ft ³ /min/ft ²	170 ft ³ /min/ft ²
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Appearance *Score 5 (best) to 1 (Worst)

Color Fastness	Laundering AATCC 61 2A	Shade Change	Up to 4 *	Up to 4 - 5 *
	Xenon Light Exposure AATCC 16	After 40 hours	Up to 4 - 5 *	Up to 4 - 5 *
	Pilling Resistance ASTM D3512	Initial: 60 min	Up to 4.5 *	Up to 4 *

* All values subject to final certification and specification. Tested on specific colors. Appearance is dependent on shade of fabric.

AVAILABLE COLORS

Orange	Hi-Vis Yellow	Khaki	Light Blue
Navy	Heather Gray	Gray	Black

OPTIONAL COLORS

Additional color options may be available. Please contact TenCate Protective Fabrics for more information.

Color shades and textures may vary. Please contact your sales representative for swatch samples.



TenCate Protective Fabrics is certified according:



All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics declines any form of liability related to the use of the attached specimen that shall be regarded as a sample only and therefore not meant to be used in any form of garment making.