



**NEXT-TO-SKIN  
FLASH FIRE  
PROTECTION**

**NFPA-CERTIFIED BASE LAYER  
PROTECTION**

This versatile fabric serves as a comfortable FR base layer as well as an outer layer, thanks to full NFPA 2112 certification.

**COOL, DRY, AND  
COMFORTABLE**

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

**MULTI-LAYERED APPROACH**

The base component of the multi-layer FR system, Tech T5™ offers comfort and next-to-skin protection.

# TECASAFE® PLUS

TechT5™

TECHNICAL DATA	TECHT5™	TECHT5™ TRUECOLOR™
Nominal Weight	5.4 osy (183 gsm)	5.4 osy (183 gsm)
Construction	Jersey Knit	Knit
Color	Khaki	Navy, Heather Gray
Fiber Content	Aramid, Lyocell, Modacrylic	Aramid, Lyocell, Modacrylic
Certification(s)	ASTM 1506, NFPA 1975, NFPA 2112	ASTM 1506, NFPA 1975, NFPA 2112

## Flame Resistance

Manikin Burn NFPA 2112	Predicted Body Burn	Pass	Pass
PPE Arc Rating NFPA 70E, ASTM 1959	Arc Rating	4.7 cal/cm <sup>2</sup>	6.2 cal/cm <sup>2</sup>
	PPE Category	Category 1	Category 1
Vertical Flame ASTM 6413, NFPA 2112	Initial	After flame	< 2.0 sec
		Char length	< 4.0 in (100 mm)
	Char length	< 4.0 in (100 mm)	< 4.0 in (100 mm)
Thermal Shrinkage NFPA 2112	Initial and 3x After Wash	< 10%	< 10%

## Physical Testing

Burst Strength – Ball Method ASTM D3787	70 lbf (312 N)	80 lbf (355 N)
Burst Strength – Mullen Method ASTM D3786	80 psi (550 kPa)	76 psi (525 kPa)
Dimensional Stability AATCC 135	< 4 %	< 4.5 %

## Comfort

Air Permeability ASTM D737	295 ft <sup>3</sup> /ft <sup>2</sup> /min	295 ft <sup>3</sup> /ft <sup>2</sup> /min
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## Appearance \*Score 5 (best) to 1 (Worst)

Color Fastness	Laundering AATCC 61 2A	Shade Change	Up to 3-4 *	Up to 4-5 *
	Xenon Light Exposure AATCC 16	After 40 Hours	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

Khaki	Navy	Heather Gray
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## 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.