

# TECASA<sup>®</sup>SAFE<sup>®</sup> PLUS

Stationwear



## ENGINEERED FOR THE FIRE SERVICE

### Tecasafe<sup>®</sup> Plus 700

#### COLOR AND CONFIDENCE

Tecasafe<sup>®</sup> Plus stands up to repeated laundering and resists fading in both light shades and dark shades – thanks to TrueColor™ Technology.

#### COOL, DRY, AND COMFORTABLE

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

#### MULTI-RISK PROTECTION

Certified to NFPA 1975 and 1977, Tecasafe<sup>®</sup> Plus offers firefighters protection in a wide range of environments.

# TECASAFE®PLUS

## Stationwear

TECHNICAL DATA*	TECASAFE®PLUS 700
Nominal Weight	7.4 osy (251 gsm)
Construction	Woven
Color	Navy, Spruce, Black
Fiber Content	Modacrylic, Lyocell, Aramid
Certification(s)	NFPA 1975, NFPA 1977

### Thermal Testing (Flame Resistance)

Manikin Burn NFPA 2112	Predicted Body Burn	Pass
Arc Thermal Protective Rating (ATPV) NFPA 70E, ASTM 1959	ATPV Rating	11 cal/cm <sup>2</sup>
	PPE Category	Category 2
Vertical Flame ASTM 6413, NFPA 2112	Initial and 100x after wash	< 2.0 sec
	Char length	< 4.0 in (100 mm)
Thermal Shrinkage NFPA 2112	Initial and 3x after wash	< 10 %

### Physical Testing

Tensile Strength ASTM D5043	Initial (warp x fill)	140 x 85 lbf (623 x 378 N)
Elmendorf Tear ASTM D1424	Initial (warp x fill)	10 x 8 lbf (44 x 36 N)
Dimensional Stability AATCC 135		< 4.0 %
Seam Strength ASTM D434, Force at 0.25 in slippage		40 lbf (179 N)

### Comfort

Air Permeability ASTM D737	53 ft <sup>2</sup> /ft <sup>3</sup> /min
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### Appearance \*Score 5 (best) to 1 (Worst)

Color Fastness Laundering	Shade Change (AATCC 61 2A)	Up to 3-4 *
Xenon Light Exposure AATCC 16	After 20 Hours	Up to 5 *
Pilling Resistance ASTM D3512	Initial: 60 min	Up to 4 *

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

### AVAILABLE COLORS

Navy	Spruce	Black
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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.