



Proven, Reliable, Stationwear Protection.

TenCate Freestyle™ fabrics are perfect for head-to-toe protection against flash fire, electric arc and other dangerous conditions. Station/work uniforms made of this breathable fabric combine unsurpassed flame resistance and exceptional durability, wash after wash.

- **Proven, reliable protection** – Flame-resistant protection for a broad range of high-risk industries.
- **Exceptional durability** – Retains professional look after multiple launderings and rugged use.
- **Wickwell™ Plus** – Technology moves perspiration away from body, spreads moisture for improved dissipation, comfort and unmatched wickability.
- **NFPA 1975 compliant** – Meets and exceeds standard for station/work uniforms for fire and emergency services.

TenCate Freestyle® delivers peace of mind when lives are on the line.

Nothing Beats a TenCate Protective Fabric.

Fire Service Navy

FIBER BLEND: 100% Nomex® IIIA
WEIGHT (±5%): 4.5 - 7.5 oz (sq yd)
WEAVE: Plain, Twill
FINISH: Wickwell™ Plus
END USE: Station/Work Uniforms



● Light Blue ● Spruce ● Red ● Orange ● Tan ● Yellow ● Black ● Natural ● Dark Navy ● Fire Service Navy ● Royal Blue

PHYSICAL PROPERTIES		TenCate Freestyle™				NFPA 1975 Requirements
Weight oz (sq yd) grams (sq meter)	(± 5%)	4.5 oz 153g	6.0 oz 203g	6.8 oz 231g	7.5 oz 254g	
Weave		Plain	Plain	Twill	Plain	
Standard Colors (other colors available upon request)		●●●●●●	●●●●●●	●●	●●	
Flame Resistance Char Length (inches [warp x fill]) After Flame (seconds [warp x fill])	ASTM D 6413 After 100x Launderings	2.8 x 2.8 0.0 x 0.0	2.4 x 2.4 0.0 x 0.0	2.5 x 2.5 0.0 x 0.0	2.3 x 2.3 0.0 x 0.0	6.0 max. 2.0 max.
Heat & Thermal Shrinkage Resistance (%[500°F for 5 minutes]) After 100 Industrial Launderings		< 2.0	< 2.0	< 2.0	< 2.0	10.0 max.
Tensile Strength (lbs [warp x fill])	ASTM D 5034	170 x 100	240 x 150	260 x 180	260 x 240	
Elmendorf Tear Strength (lbs [warp x fill])	ASTM D 1424	10 x 7	12 x 8	12 x 8	16 x 13	
Dimensional Stability (%[5x]) 120° F	AATCC 135	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0	
Air Permeability (ft³/ft²/minutes)	ASTM D 737	210	80	25	60	
Washing Colorfastness 140°F Industrial Wash, 160°F Max Stack Dry [25x]		*4 *4	*4 *4	*4 *4	*4 *4	
Colorfastness to Xenon Light (20 hours)	AATCC 16	*3-4	*3-4	*3-4	*3-4	
Crocking	AATCC 8 Wet Dry	*3-4 - All Colors *5 - All Colors	*3-4 - All Colors *5 - All Colors	*3-4 - All Colors *5 - All Colors	*3-4 - All Colors *5 - All Colors	
Wicking (distance in seconds) (1" strip, tap water)		0.5 inches: 3 1.0 inches: 13 1.5 inches: 34 2.0 inches: 62	0.5 inches: 3 1.0 inches: 10 1.5 inches: 27 2.0 inches: 58	0.5 inches: 6 1.0 inches: 14 1.5 inches: 37 2.0 inches: 79	0.5 inches: 3 1.0 inches: 12 1.5 inches: 34 2.0 inches: 70	
Pilling Resistance	ASTM D 3512 30 minutes 60 minutes 90 minutes 120 minutes	*4 *5 *5 *5	*4 *5 *5 *5	*4 *5 *5 *5	*3 *4 *5 *5	
Appearance of Fabric After 50 Home Launderings	AATCC 124	*4	*4	*4	*4	

Ratings: *5 - Best, *3 - Acceptable, *1 - Poor