

| GLADIATOR®



HIGH VALUE OUTER SHELL

PROVEN ARAMID PROTECTION

Features the recognized thermal properties and high-strength capabilities of aramid fibers.

COST EFFICIENT

The most economical outer shell fabric in the market. Proven quality, thermal stability and affordable protection.

OUTSTANDING SELECTION

Available in a variety of colors for the flexibility you need to show off your department.

GLADIATOR®

TECHNICAL DATA*	TENCATE GRADIATOR®
Nominal Weight	205 gsm (6.0 osy)
Construction	Plain Weave
Colors	Black, Red, Yellow, Tan, Royal Blue, Light Blue, Navy Blue, Spruce Green, and Orange
Fiber Content	93% meta-Aramid, 5% para-Aramid, 2% Antistat
Finish	DWR (Durable Water Repellent)
Certifications/Compliant	EN 469, NFPA 1977, NFPA 1975, and NFPA 1951

	EN 469 Requirements	Test Method	Gladiator 600
Flame Spread	EN 533 Index 3 No flaming to edge No hole formation No flaming or molten debris Mean afterflame < 2s Afterglow not to spread	EN ISO 15025: 2002 Procedure A	EN 533 Index 3 No flaming to edge No hole formation No flaming or molten debris No afterflame No afterglow
Residual Strength	≥ 450 N	EN ISO 6942: 2002 Method A @ 10 kW/m ²	1400 N x 780 N
Heat Resistance	Materials shall not ignite or melt. Shrinkage ≤ 5%	ISO 17493: 2000 @ 180 °C	Fabric did not ignite or melt. Max shrinkage: 0.4%
Tensile Strength (outer material)	≥ 450 N	EN ISO 13934-1: 1999	1400 N x 1800 N
Tear Strength (outer material)	≥ 25 N	EN ISO 13937-2: 2000	52 N x 34 N
Surface Wetting	Spray rating ≥ 4	EN 24920: 1992	5
Laundry Shrinkage	Max ± 3%	ISO 5077: 2007 (EN ISO 5077: 2008)	Max ± 3%
Resistance to penetration by liquid chemicals (Repellency)	No penetration to innermost surface. Repellency rate > 80%	EN ISO 6530: 2005 1. 40% NaOH 2. 36% HCl 3. 30% H ₂ SO ₄ 4. 100% o-xylene	No penetration to innermost surface. Repellency rate > 80%
Resistance to penetration by liquid chemicals (Penetration)	No penetration to innermost surface	EN ISO 6530: 2005 1. 40% NaOH 2. 36% HCl 3. 30% H ₂ SO ₄ 4. 100% o-xylene	No penetration with a moisture barrier

*Prior to all tests five wash/dry cycles according to ISO 6330: 2012 Procedure 4N (40 °C) with tumble drying (Procedure F) (max. 80 °C outlet temperature)

AVAILABLE COLORS

Navy Blue	Yellow	Red	Black	Royal Blue
Gray	Light Blue	Tan	Spruce Green	Orange

Sunlight/UV Exposure Advisory: Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.

Any listed data or claims represent typical values. Results from multiple tests unless otherwise stated. TenCate Protective Fabrics assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by an independent investigation that the material can be used safely. TenCate Protective Fabrics describes only certain hazards but cannot guarantee these are the only hazards. Content within is subject to change at the sole discretion of TenCate Protective Fabrics. Any images, photography, swatch illustrations or color descriptions appear only as representative and are not intended for color shade matching or the exact size or shape of a weave or knit. Any fabric weights listed are nominal. If any of these matters are of a concern, please speak with your TenCate Protective Fabrics representative.