

TENCATE

Ara-shield®

EMERGENCY RESPONSE



## Tough, Light, Flexible and Resistant

TenCate Ara-shield® reinforcement fabric is lighter yet stronger than other reinforcement materials, such as leather. Designed for use in areas where exposure to abrasion is highest. Ara-shield's exceptional strength and thermal protection provide a superior shield from the harshest environments.

- **Makes gear lighter** – Ara-shield is 80% lighter than rough-out leather.
- **Impermeable to water and chemical** – Absorbs no water or harsh chemicals; leather does.
- **Double-coat surface** – Exceptional resistance to temperature and abrasion.
- **No cracking** – Wetting and drying leaves fabric unaffected.
- **Easy care** – Impermeability makes this fabric resistant to staining.

TenCate Ara-shield® delivers peace of mind when lives are on the line.

*Nothing Beats a TenCate Protective Fabric.*

Black

**FACE COATING:** High solids polymer  
**SUBSTRATE:** 100% Para-aramid  
**WEIGHT:** 16.0 oz (sq yd)  
**WEAVE:** Twill  
**COLORS:** Black, Gold, Gray  
**FINISH:** Matte  
**END USE:** Turnout Gear Outer Shell  
Reinforcement



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**Ara-shield®**

PHYSICAL PROPERTIES		TenCate Ara-shield®	NFPA 1971 Requirements
<b>Trapezoidal Tear Strength (lbs)</b> Initial (warp x fill) After 5 launderings (warp x fill)	<b>ASTM D 5587*</b>	20 x 10 18 x 6	
<b>Flame Resistance</b> Char Length in inches (warp x fill) (Initial) Char Length in inches (warp x fill) (After 5 launderings) After Flame in seconds (warp x fill) (Initial and After 5 launderings)	<b>ASTM D 6413</b>	< 0.5 x < 0.5 < 0.5 x < 0.5 < 1.0 x < 1.0	4.0 max  2.0 max
<b>Laundry Shrinkage (%)</b> After 10 launderings (cotton sturdy cycle) (warp x fill)	<b>AATCC 135</b>	< 2.5 x < 2.0	
<b>Heat and Thermal Shrinkage (%)</b> 500°F at 5 minutes (warp x fill) After 5 launderings (warp x fill)	<b>NFPA 1971</b>	< 1.0 x < 1.0 < 1.0 x < 1.0	

\*NFPA 1971-2007 specifies Trapezoidal Tear Strength measurement according to ASTM D 5587 not allowing for specimen slippage.



6501 Mall Blvd. • P.O. Box 289  
 Union City, GA 30291  
 Phone: 770.969.1000 • Fax: 770.969.6846  
 Toll Free: 800.241.8630  
[www.TenCateProtectiveFabrics.com](http://www.TenCateProtectiveFabrics.com)

To the best of our knowledge, the information contained herein is accurate. However, 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 independent investigation that the material can be used safely. We have described certain hazards, but we cannot guarantee that these are the only hazards.

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