


| ARA-SHIELD™



LIGHTWEIGHT
TOUGH, AND
FLEXIBLE

Reinforcement: the combination of 100% para-Aramid with high solid double-coat surface. This fabric is to be applied in places where exposure to abrasion is highest, e.g. knees and elbows.

EXCELLENT THERMAL PERFORMANCE AND STRENGTH

Exceptional resistance to temperature and abrasion due to high solid polymer coating on both sides of the fabric.

OPTIMAL COMFORT AND LIGHT

Maximum flexibility due to the combination of the woven fabric and high solid polymer coating. And it is 80% lighter than rough-out leather.

WATER AND CHEMICAL RESISTANT

Resistant to water and liquid chemicals to protect and prevent cracking.

ARA-SHIELD™

TECHNICAL DATA*		TENCATE ARA-SHIELD™
Nominal Weight		16.0 osy (542 gsm)
Construction		Twill
Colors		Black, Gold, Gray
Fiber Content		Para-Aramid
Finish		Polymer Coating
Certification/Compliance		NFPA 1971
Flame Resistance		
Vertical Flame Initial: After flame Initial: Char Length 5x After Wash: After flame 5x After Wash: Char Length	NFPA 1971	< 2.0 sec < 0.5 in (< 18 mm) < 2.0 sec < 0.5 in (< 18 mm)
Thermal Shrinkage Initial 5x After Wash	NFPA 1971	< 2.0% < 2.0%
Thermal Protective Performance	NFPA 1971	Up to 40.0
Strength/Durability		
Trapezoid Tear Initial (warp x fill)	ASTM D5587	129 x 53 N
Laundry Shrinkage	AATCC 135	< 10%
Abrasion Resistance	ASTM D3884	> 9,500 Cycles no Excessive Wear

* All values subject to final certification and specification.

** Tested on specific colors.

AVAILABLE COLORS			
Black	Gray	Gold	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.