










# OPTI-SYN (woven)

## TECHNICAL DATA

COMPOSITION	33% Aramid, 32% Modacrylic, 23% Modal, 10% PA 6.6, 2% Antistatic	
ARTICLE	439 - Opti-Syn W 160	435 - Opti-Syn W 220
WEIGHT (g/m <sup>2</sup> )	160 (±5%)	220 (±5%)
WIDTH (cm)	160 (±2)	160 (±2)
CONSTRUCTION	2/1 3/1 Twill Ripstop	2/1 3/1 Twill Ripstop
TENSILE STRENGTH EN ISO 13934-1	Warp > 500 N Weft > 400 N	Warp > 700 N Weft > 800 N
TEAR STRENGTH EN ISO 13937-2	Warp > 15 N Weft > 15 N	Warp > 60 N Weft > 50 N
ABRASION RESISTANCE EN ISO 12947-2 (12kPa)	> 50000 cycle	> 100000 cycle

Natural Finish, Water Repellant Finish or Wicking Finish Available

## PROTECTION LEVEL

 HEAT AND FLAME PROTECTION ISO 11612	A1, A2, B1, C1, F1	A1, A2, B1, C1, E1, F1**
 ELECTROSTATIC PROTECTION EN 1149-3 & EN 1149-5	PASS	PASS**
 ELECTRIC ARC PROTECTION (BOX TEST) EN 61482-2	APC 1 (4kA)	APC 1 (4kA)**
 ELECTRIC ARC PROTECTION (OPEN ARC) EN 61482-2	N/A	ATPV 8,2 cal/cm <sup>2</sup> **
 ELECTRIC ARC PROTECTION (OPEN ARC) ASTM F1959-2	N/A	ATPV 7,2 cal/cm <sup>2</sup>
 WELDING PROTECTION EN ISO 11611	N/A	Class 1**
 WILDLAND FIREFIGHTING PROTECTION EN 15384	N/A	PASS**
TECHNICAL RESCUE PROTECTION EN 16689	N/A	PASS**
 STATION UNIFORM PROTECTION ISO 21942	N/A	PASS**
 LIQUID CHEMICALS EN 13034	N/A	PASS*

\* With Water Repellant Finish Only

\*\* Tested After 50 Industrial Washes

## CLEANING INSTRUCTIONS



## Colours



# AKATEK