

INDURA®

Ultra Soft®

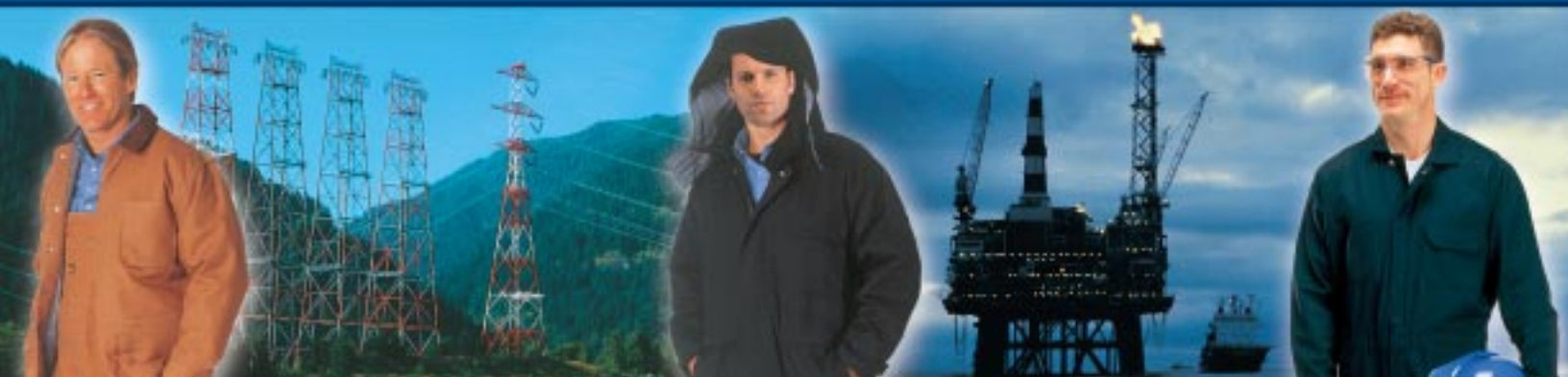
Flame Resistant Fabrics

with

EPIC™

By Nextec

Outsmart the outdoors.®



INDURA®
Ultra Soft®

with

EPIC™

By Nextec

**Guaranteed Flame Resistance
for the Life of the Garment.**

**Electric Arc and
Flash Fire Protection.**

Water Resistant.

Wind Resistant.

Breathable.

Washable.

Low Absorption.

A Revolutionary All-Weather “Soft Shell” Flame Resistant Fabric

What is INDURA Ultra Soft with EPIC?

It's a new breakthrough “soft shell” 88% cotton 12% high tenacity nylon, flame resistant, water resistant, wind resistant, breathable and washable fabric for use in all but the most severe outdoor conditions, making it a more useful, functional garment than laminated or coated “hard shell” garments.

How does the EPIC technology work?

EPIC is a proprietary and patented technology by Nextec Applications, which encapsulates fabric fibers with a micro-thin polymer creating a breathable barrier inside the fabric. Tiny “micro holes” between the encapsulated fibers allow water vapor to escape without allowing outside water and wind to penetrate, in all but the most severe conditions.

What is the difference between “soft shell” and “hard shell”?

“Soft shell” technology is a new category in outdoor performance clothing. Soft shell garments provide comfortable, breathable protection that can take you from sunshine to showers to snow flurries and back. “Hard shell” garments are produced with fabrics that have been coated or laminated and are typically seam sealed. Hard shell garments are considered to be waterproof and can perform during a hurricane, monsoon or torrential downpour but poor breathability & comfort make it less than an ideal choice under more typical outdoor conditions.

Does INDURA Ultra Soft with EPIC soft shell garments provide protection from electric arc and flash fire exposures?

Yes. The fabrics have been independently tested at Kinectrics to electric arc exposures and at the University of Alberta to flash fire exposures. The results are listed on the back of the brochure.

Can INDURA Ultra Soft with EPIC be washed?

Yes. The EPIC water-resistant characteristics will be sustained even after 50 home launderings. Because the base fabric is INDURA Ultra Soft, the flame resistance is guaranteed for the life of the garment. Please contact Westex for detailed laundering instructions.

Does INDURA Ultra Soft with EPIC meet industry standards for flame resistant clothing?

Yes, it meets the requirements of OSHA 1910.269, ASTM 1506, NFPA 70E, 2112 and 1977.

Who will benefit from INDURA Ultra Soft with EPIC?

Any outdoor workers that require flame resistant protection and all-weather performance, such as electric & gas utilities, electrical contractors, oil, petrochemical, wildland firefighters, military and many more.

ELECTRIC ARC EXPOSURE ANALYSIS

SINGLE LAYER FABRIC SYSTEMS

Fabric	Weight*	ATPV**	HAF***
	oz/yd ² (g/m ²)	(cal/cm ²)	%
INDURA Ultra Soft with EPIC Style 302	9.0 (305)	10.7	79
INDURA Ultra Soft with EPIC Style 962	12.6 (427)	14.9	83

Electric arc testing conducted at the independent laboratories of Kinectrics Inc.

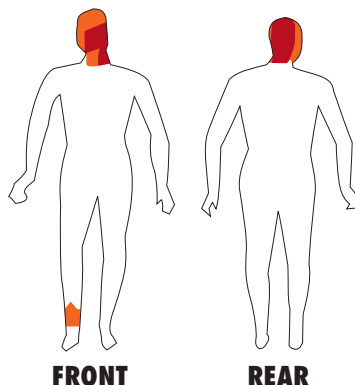
*Weight is reported for fabric that has been laundered per ASTM F1959.

**ATPV equals Arc Thermal Performance Value. The higher the value, the more insulated one is from second degree burn.

***HAF equals Heat Attenuation Factor. The higher the HAF % the more heat is blocked by the fabric.

FLASH FIRE EXPOSURE ANALYSIS

INDURA Ultra Soft with EPIC Style 452



FRONT

REAR

THE UNIVERSITY OF ALBERTA
DEPARTMENT OF HUMAN ECOLOGY

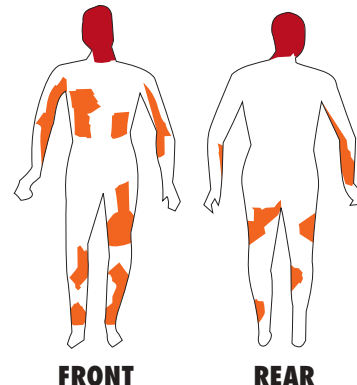
**Fire Protective Clothing
Evaluation System
INDURA Ultra Soft with EPIC
Style 452 376 g/m² Coverall
9-10-2002**

Exposure.....80.0 kW/m² (1.9 Cal/cm² sec.)
Exposure Time3.0 sec.
Time of Plot60.0 sec.

◆ 2nd Degree Burn3.75%
◆ 3rd Degree Burn5.15%

**TOTAL BURN8.90%
BURN NUMBER.....2390**

INDURA Ultra Soft with EPIC Style 302



FRONT

REAR

THE UNIVERSITY OF ALBERTA
DEPARTMENT OF HUMAN ECOLOGY

**Fire Protective Clothing
Evaluation System
INDURA Ultra Soft with EPIC
Style 302 312 g/m² Coverall
9-10-2002**

Exposure.....80.0 kW/m² (1.9 Cal/cm² sec.)
Exposure Time3.0 sec.
Time of Plot60.0 sec.

◆ 2nd Degree Burn18.70%
◆ 3rd Degree Burn8.30%

**TOTAL BURN27.00%
BURN NUMBER.....2378**

Note: 88% is the maximum possible since the hands and feet are excluded. All figures include 7% for the head.

INDURA
Ultra Soft

with

EPIC

By Nextec

INDURA Ultra Soft is a registered trademark of Westex Inc.

"EPIC by Nextec" is a trademark of Nextec

"Outsmart and outdoors" is a registered trademark of Nextec.

WSI 3M0902

2845 West 48th Place • Chicago, IL 60632 U.S.A.

Toll Free: 866-4-WESTEX (866-493-7839)

773-523-7000 • Fax: 773-523-0965

www.westexinc.com

WESTEX INC.

A WORLD LEADER IN FLAME RESISTANT FABRICS

INDURA

Ultra Soft

with

EPIC

By Nextec

Style 302 Twill
8 oz. (271 g/m²)
88% Cotton
12% High Tenacity
Nylon

Style 452 Twill
10 oz. (339 g/m²)
88% Cotton
12% High Tenacity
Nylon

Style 962 DUCK
12 oz. (406 g/m²)
88% Cotton
12% High Tenacity
Nylon

Garments Manufactured by

AGO
INDUSTRIES INC.

London, Ontario

Phone (519) 452-3780 Fax (519) 452-3053