

SHELL SERIES ST-5046



ARC RATED
NFPA
70E
COMPLIANT



SHELL GRD™ Impact protection through sculpted TPR structures, articulated motion zones, and angular force redirection to minimize blunt force trauma.

ESSENTIAL TECHNOLOGIES



APPLICATIONS



SHELL™ GRD LEATHER PALM GLOVES WITH **TEGX® TEXARN™ A7 CUT** PROTECTION, LEVEL 4 **ARC FLASH** PROTECTION, LEVEL 2 CONDUCTIVE HEAT, WATER-REPELLENT FINISH

Developed for oil & gas, energy, heavy mechanical, and industrial work, ST-5046 combines durable buffalo leather with high-level cut and arc-flash protection for demanding environments where hand protection and long service life are critical.

The 360° aramid blend liner & FR aramid stitching reinforce the glove, while buffalo leather provides excellent abrasion resistance, durability, and dependable grip. Moisture-wicking, water-repellent treatment helps maintain comfort & performance during extended use.

FEATURES

- **TEGX® Technology** dual-layer construction withstands arc flash exposure for lasting protection and stability
- **Premium Grain Buffalo Skin** provides durability, abrasion resistance, and reliable grip for demanding tasks
- **Arc Protection** engineered to shield against arc flash exposure while maintaining safety and performance in high-risk electrical environments
- **Water-Resistant Finish** maintains steady grip in wet, dry, and light oily conditions
- **TexArn™ Blended Yarn** provides high tensile strength with 360° cut, heat, flame, tear, and abrasion resistance
- **DryHold™** Moisture wicking system that maintains internal dryness and reduces slippage during use
- **Kevlar® Stitching** sustains seam integrity under prolonged heat and thermal stress for high-heat applications
- **Double-Stitched Keystone Thumb** enhances flexibility and precise hand control

STANDARDS



MATERIALS

Outer Layer: Premium Buffalo Leather
Inner Liner: TexArn™ Para-Aramid Blend Liner
Cuff Style: Slip-on Cuff

SIZES



PACKING DETAILS





IMPACT & CUT PROTECTION



HAND PROTECTION ENGINEERED. ACHIEVED.



ST-5046 SHELL SERIES



DryHold™
Internal liner system
that wicks away sweat
and moisture

Premium Buffalo Leather
Balances Durability &
Comfort for Reliable
Performance

Kevlar® Thread Stitch-
ing for Superior Seam
Strength & Durability

360° Para-Aramid Liner
Engineered for Advanced
Cut Protection & Thermal
Resistance

Double-stitched
Keystone Thumb
Design for Enhanced
Dexterity, Mobility
& Comfort

Color Coded Hem
for Quick Size
Identification

Effortless Slip-On
Cuff Design Enables
Rapid Donning,
Removal & Wrist
Protection

ENGINEERED WITH STEGO TECHNOLOGIES

PERFORMANCE & COMPLIANCE

ST-5046 meets the requirements of applicable EN & ANSI/ISEA standards.

EN ISO 21420:2020
+A1:2024



EN ISO 21420:2020+A1:2024
General Requirements

EN 407:2020



X1XXXX

EN 407:2020

Protection Against Thermal Risks
Limited Flame Spread: X
Contact Heat: 1
Convective Heat: X
Radiant Heat: X
Small Splashes of Molten Metal: X
Large Quantities of Molten Metal: X

ANSI/ISEA 105



CONDUCTIVE
HEAT

ANSI/ISEA 105-2024

ASTM F1060-18
Conductive Heat Resistance
Level 2: 140°C (284°F)
Maximum Contact Temperature

EN 388:2016
+A1:2018



3X43F

EN 388:2016+A1:2018
Protection Against Mechanical Risks

Abrasion Resistance: 3
Blade Cut Resistance (Coupe Test): X
Tear Resistance: 4
Puncture Resistance: 3
Cut Resistance (TDM 100 Test-ISO 13997): F

ANSI/ISEA 105



ANSI/ISEA 105-2024
Mechanical Protection

Cut Resistance: A7
Abrasion Resistance: 4
Puncture Resistance: 4

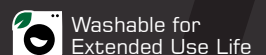


ARC RATING
ATPV 44 cal/cm²

ASTM F2675

Protection Against Arc Flash Hazards
Flash Protection Level: 4
Arc Thermal Performance Value (ATPV): 44 cal/cm²

PACKAGING INFORMATION	7 / S	8 / M	9 / L	10 / XL	11 / 2XL
MASTER CARTON DIMENSION	60X34X31 CM	60X48X41 CM	60X48X41 CM	60X48X41 CM	60X48X41 CM
NET WEIGHT	15.30 KG	16.10 KG	17.00 KG	17.80 KG	18.70 KG
GROSS WEIGHT	16.20 KG	17.10 KG	18.00 KG	19.00 KG	20.00 KG
CBM	0.063	0.063	0.063	0.063	0.063
HS CODE	42032900	42032900	42032900	42032900	42032900



LIMITATION OF USE

Properly fitting safety gloves are crucial for safety. Poorly-fitting gloves cause irritation and hinder hand movements. Ensure they meet your required safety level and fit comfortably for optimal protection and functionality. The glove should not be worn in areas where there's a risk of entanglement or where there are moving parts. Avoid using gloves if there are signs of damage or defects.