

SHELL SERIES ST-5045



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 GOATSKIN LEATHER PALM GLOVES WITH CATEGORY 4 **ARC FLASH** PROTECTION, **A5 CUT** PROTECTION, **TEGX® TEXARN™** 360° ARAMID LINER, LEVEL 2 CONDUCTIVE HEAT, & FR CONSTRUCTION

Built around comfort, ST-5045 combines supple goatskin leather with Category 4 arc flash, A5 cut, Level 4 puncture, and Level 2 conductive heat protection for heavy industrial and mechanical applications.

TEGX Texarn 360° aramid liner, FR materials, and double FR aramid stitching reinforce protection and durability. Moisture-wicking leather finish helps manage moisture, while the easy-on/off cuff supports comfort, dexterity, and extended wear.

FEATURES

- **TEGX® Technology** dual-layer construction withstands arc flash exposure for lasting protection and stability
- **Premium Grain Goatskin** balances durability, flexibility, tactile control, and comfort during impact-intensive tasks
- **Arc Protection** engineered to shield against arc flash exposure while maintaining safety and performance in high-risk electrical environments
- **Enhanced Grip Control** supports reliable handling on dry and light oily surfaces during heavy-duty operations
- **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 Goatskin Leather
Inner Liner: TexArn™ Para-Aramid Blend Liner
Cuff Style: Slip-on Cuff

SIZES

7	S
8	M
9	L
10	XL
11	2XL

PACKING DETAILS

1	Pair Per Polybag Retail Ready
60	Pairs Per Carton



IMPACT & CUT PROTECTION



HAND PROTECTION ENGINEERED. ACHIEVED.



ST-5045 SHELL SERIES



DryHold™
Internal liner system
that wicks away sweat
and moisture

Premium Goatskin
Leather Balances
Softness & Durability
for Lasting Comfort

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-5045 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: A5
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	13.30 KG	14.25 KG	15.00 KG	15.75 KG	16.50 KG
GROSS WEIGHT	14.45 KG	15.20 KG	16.00 KG	16.90 KG	17.80 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.