TENACIOUS HOLDINGS, INC DBA ERGODYNE

TEST REPORT

SCOPE OF WORK
Performance Testing of Ergodyne Moisture Wicking Sleeve Model 7941
to ANSI_ISEA 105-2016 *Hand Protection Classification*
Section 5.3.3 — Conductive Heat Resistance – Modified for Arm Sleeve

REPORT NUMBER
104185587CRT-001

ISSUE DATE
January 9, 2020

PAGES
4

DOCUMENT CONTROL NUMBER
RT-L-AMER-Test-3470 1-Sep-2017

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TEST REPORT FOR TENACIOUS HOLDINGS, INC DBA ERGODYNE

Report No.: 104185587CRT-001
Date Issued: January 9, 2020

MANUFACTURER

Tenacious Holdings, Inc dba Ergodyne
1021 Bandana Boulevard East
Suite 220
St. Paul, MN 55108
USA

TEST STANDARD

ANSI/ISEA 105-2016 *Hand Protection Classification*, Section 5.3.3 — Conductive Heat Resistance

Conductive Heat Resistance Test:
ASTM F1060 - 08 Standard Test Method for Thermal Protective Performance of Materials for Protective Clothing for Hot Surface Contact

AUTHORIZATION

Quote No.: Qu-01036574-0

PRODUCT DESCRIPTION

Product Name: Ergodyne Moisture Wicking Sleeve Model 7941

SAMPLE INFORMATION

Dates Samples Received: December 16, 2019
Condition of Samples: Production Run
Dates of Testing: January 7, 2020

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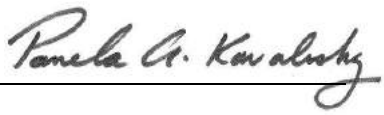
SECTION 1
CONCLUSION

This test report represents the testing covered by proposal number Qu-01036574-0.

If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note: this Test Report does not represent authorization for the use of any Intertek certification marks.

Project Owner:	Joshua Burgmeier	**Project Reviewer:**	Pam Kavalesky
Title:	Associate Chemist/Engineer	**Title:**	Staff Engineer
Signature:		**Signature**	
Date	07-Jan-2020	**Date:**	08-Jan-2020

SECTION 2

ANSI/ISEA 105-2016 TEST DATA SHEETS

SECTION 5.3.3
CONDUCTIVE HEAT RESISTANCE – MODIFIED FOR ARM SLEEVE

PRODUCT DESCRIPTION: Ergodyne Moisture Wicking Sleeve Model 7941
CONDITIONING: In accordance with ASTM D1776 at a temperature 21 ± 1°C (70 ± 2°F) and a relative humidity of 65 ± 2% for at least 4 hours

EXPOSURE TEMP:	90°C	**PRESSURE APPLIED:**	0.5 PSI

SPECIMEN NO.	**1**	**2**	**3**	**4**	**5**	**Avg.**
SPECIMEN THICKNESS (mils)	46	47	47	47	47	47
TIME TO PAIN (sec.) (A)	5.6	5.6	6.9	5.7	6.1	6.0
TIME TO SECOND DEGREE BURN (sec.) (B)	15.0	15.1	17.8	14.6	15.9	15.7
ALARM TIME (sec.) (B-A)	9.4	9.5	10.9	8.9	9.8	9.7

ANSI/ISEA CLASSIFICATION FOR CONDUCTIVE HEAT RESISTANCE:	**1**

LEVEL	**Highest contact temperature (C°) at which both time to 2nd degree burn is ≥ 15 seconds and alarm time is ≥ 4 seconds**
0	**< 80**
1	**80**
2	**140**
3	**200**
4	**260**
5	**320**