

TEST REPORT

COMPANY NAME:

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MECDEX

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Report No.:

TRF No.:

Date In:

Date Out:

No. Of Working Days:

Pretest for Buyer

Temperature & Humidity:

FTL-1455/150823

FTL-1455/150823

15-08-23

18-08-23

03 Days

Not Listed

23°C ± 2 53 ± 5%

Sample Description:	WN-855 Synthetic Leather Gloves
Color(s):	Black
Lab Id Color(S):	Black
P.O. No(s):	Not Listed
Article No(s):	WN-855
Season:	Not Listed
Quantity Submitted:	10 Pairs
Country of Origin:	Pakistan
Country of Destination:	Europe
Dept:	Not Listed
End Use:	Not Listed

Submitted Fiber Content:	Not Listed
Multi Layers	Electro Conductive PU Sui Serino Grip Material + Matt Finish Water Barrier + Cut A5 Fabric & Micro Fleece.
Test Requested:	EN 388: 2016 + A1: 2018, EN ISO 21420: 2020, ANSI Cut Resistance & EN 511: 2006.
Submitted Care Instruction:	Not Listed
Suggested Care Instruction:	Not Listed

PHOTO OF THE SUBMITTED SAMPLE



EN388: 2016 +A1:2018



2 X 2 2 E P

EN511:2006



3 2 1

FIRST TESTING LAB
AUTHORIZED SIGNATORIES

A. Basif
Test Conducted by

Rehan
Test Checked by

[Signature]
Approved By

SUMMARY OF TEST RESULTS

TEST PROPERTY	Standard Method	Results	Comments
ABRASION RESISTANCE	EN 388: 2016 + A1: 2018	Level-2	
BLADE CUT RESISTANCE	EN 388: 2016 + A1: 2018	Level-X	
TDM CUT RESISTANCE	EN 388:2016+A1:2018	Level-E	
TEAR RESISTANCE	EN 388: 2016 + A1: 2018	Level-2	
PUNCTURE RESISTANCE	EN 388: 2016 + A1: 2018	Level-2	
Impact Resistance	EN 388:2016+A1: 2018	Level-2	
ANSI Cut Resistance	ANSI/ISEA105-2016 (ASTM F2992)	Level-A5	
SIZING	EN ISO 21420:2020	Pass	
DEXTERITY	EN ISO 21420:2020	Level-4	
CONVECTIVE COLD RESISTANCE	EN 511: 2006	Level-3	
CONTACT COLD RESISTANCE	EN 511: 2006	Level-2	
WATER PENETRATION	EN 511: 2006	Level-1	

Test Results:

Parameter	Test Requirement of EN 388: 2016 + A1: 2018		Test Results	Remarks
6.1 Abrasion Resistance (Cycles) Tested – Palm Portion Used abradant: Klingspor PL 31 B		Level of Performance	Number of Cycles	
		1		
		2		
		3		
		4		
6.2 Blade Cut Resistance (i) Tested – Palm <i>Blade Thickness – 0.3 mm</i> <i>Angle of Blade – 24°</i>		Level of Performance	Index (i)	
		1		
		2		
		3		
		4		
6.3 TDM Cut Resistance <i>EN ISO 13997: 2016</i> Tested – Palm <i>Type of Blade (Straight)</i>		Level of Performance	Cut Load N	
		A		
		B		
		C		
		D		
6.4 Tear Resistance (Newton) Tested – All Layers		Level of Performance	Strength (N)	
		1		
		2		
		3		
		4		
6.5 Puncture Resistance (Newton) Tested – Palm All Layers Together		Level of Performance	Strength (N)	
		1		
		2		
		3		
		4		
6.6 Impact Resistance (Load in Kilo Newton) Tested – Back of Hand		Level of Performance	Level-1	Level-2
		Single Result	≤ 9.0 KN	≤ 5.0 KN
		Mean Transmitted Force	< 7.0 KN	< 4.0 KN

The specified performance levels are valid for only the palm area of this glove.

Test Results:

Parameter	Test Requirement ANSI/ISEA 105-2016		Test Results	Remarks
6.3 TDM Cut Resistance <i>EN ISO 13997: 2016</i> <i>Tested – Palm</i> <i>Type of Blade (Straight)</i>			> 2200 & < 3000 Grams	Level-A5
	Level of Performance	Cut Load N		
	A1	> 200 Grams		
	A2	≥ 500 Grams		
	A3	≥ 1000Grams		
	A4	≥ 1500 Grams		
	A5	≥ 2200 Grams		
	A6	≥ 3000 Grams		
	A7	≥ 4000 Grams		
	A8	≥ 5000 Grams		
	A9	≥ 6000 Grams		

Test Results:

Parameter	Test Requirement EN ISO 21420: 2020	Test Results	Remarks
5.1 Sizing	Size	Lab Analysis	PASS
	Submitted Size: Small, Medium, Large, X-Large, XX-Large, XXX-Large	➤ Hand Length: All gloves meet the requirements of standard method. ➤ Circumference: All gloves meet the requirements of standard method.	
5.2 Dexterity Pin sizes in millimeters (mm)	Level of Performance	Level-4	Pass
	Diameter of Pins (mm)		
	1		
	2		
	3		
	4		
	5		

The above-specified results are valid for only this glove model.

Test Results:

Parameter	EN 511: 2006	Test Requirement		Test Results	Remarks
Convective Cold Resistance	Clause 1	Level of Performance	Thermal Insulation I _{TR}	>0.22 I _{TR} & < 0.30 I _{TR}	Level-3
		0	< 0.10		
		1	≥ 0.10 <0.15		
		2	≥ 0.15 <0.22		
		3	≥ 0.22 <0.30		
		4	≥ 0.30 I _{TR}		
Contact Cold Resistance	Clause 2	Level of Performance	Thermal Resistance R(m²K/W)	> 0.50 & < 0.100 R(m²K/W)	Level-2
		0	< 0.25 R		
		1	≥ 0.25 <0.50		
		2	≥ 0.50 <0.100		
		3	≥ 0.100 <0.150		
		4	≥ 0.150 R		
Water Penetration	Clause 3	Level of Performance	Water Penetration	NO	Compiles with Level-1
		0	Yes		
		1	No		

The above specified results are valid for only this glove model.