

## TEST REPORT

COMPANY NAME: MECDEX (LIBERMANN INTERNATIONAL) Report No.: FTL-233/081017

ADDRESS

HARRAR, WAZIRABAD ROAD,

TRF No.:

FTL-233/081017

SIALKOT, PAKISTAN

Date In:

Date Out:

8<sup>th</sup> Oct 2017

12<sup>th</sup> Oct 2017

EMAIL: <u>ali.anwar@libermann.com</u> No. Of Working Days: 04 Days
ATTN: Ali Anwar Page: 1 of 3

**TEL:** +92 52 3252201-2 **Pretest for Buyer** Not Listed **FAX:** +92 52 3252208

Sample Description:	Mining Gloves			
Color(s):	Black / Hi Vis Yellow			
GSM / Thickness:	-			
Production Gate Pass (PGP):	Not Listed			
Article No(s):	MN-812 (Tough Miner Pro)			
Reference:	Not Listed			
Quantity Submitted:	06 Pairs			
Country of Destination:	Europe			
Customer:	Not Listed			
End Use:	Gloves			
Submitted Fiber Content:	Not Listed			
Test Requested:	EN: 388, EN: 420, ANSI/ISEA 105-11			
Submitted Care Instruction:	Not Listed			

## PHOTO OF THE SUBMITTED SAMPLE



FIRST TESTING LAB AUTHORIZED SIGNATORIES

Test Conducted by

Test Checked by

Approved by

Please Contact:

For any Technical Issues: Mr. Rehan Qamar

Tel: +92 52 3252201 – 05 Fax: +92 52 3252208

Email: <a href="mailto:lab@nizamsons.com">lab@libermann.com</a>



## SUMMARY OF TEST RESULTS

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TEST PROPERTY	Standard Method	Results	Comments
ABRASION RESISTANCE	BS: EN: 388	Level-4	
BLADE CUT RESISTANCE	BS: EN: 388	Level-3	
TEAR RESISTANCE	BS: EN: 388	Level-4	
PUNCTURE RESISTANCE	BS: EN: 388	Level-2	
DEXTERITY	BS: EN: 420	Level-5	
BLADE CUT RESISTANCE	ANSI/ISEA 105-11	Level-3	
PUNCTURE RESISTANCE	ANSI/ISEA 105-11	Level-3	
ABRASION RESISTANCE	ANSI/ISEA 105-11	Level-4	

Parameter	According to EN:388: 2016	Test Requ	irement	Test Results	Remarks
Abrasion Resistance (Cycles)  Tested – Palm Portion Used abradant: Klingspor PL 31 B	Clause 6.1	Level of Performance  1 2 3 4	Number of Cycles 100 500 2000 8000	> 8000 Cycles	Compiles with Level -4
Blade Cut Resistance (i)  Tested – All Layers Together. Blade Thickness – 0.3 mm Angle of Blade – 24°	Clause 6.2	Level of Performance  1 2 3 4 5	1.2 2.5 5.0 10.0 20.0	Average 1 – 5.7 Average 2 – 5.5	Level-3
Tear Resistance (Newton)  Tested – All Layers Together.	Clause 6.4	Level of Performance  1 2 3 4	Strength (N)  10 25 50 75	> 75 Newton	Level-4
Puncture Resistance (Newton)  Tested – All Layers Together	Clause 6.5	Level of Performance  1 2 3 4	20 60 100 150	69.72 Newton	Level-2

The specified performance levels only valid for the palm area.



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Parameter	According to EN:420:2003	Test Ro	equirement	Test Results	Remarks
Dexterity in millimeters (mm)	Clause 5.2	Level of Performance	Diameter of Pins (mm)		
		1	11		
		3	9.5 8	Pin – 5 mm	Level-5
		4	6.5		
		5	5		

Parameter	According to ANSI/ISEA 105-11	Test Requi	rement	Test Results	Remarks
Blade Cut Resistance	Clause 1	Level of Performance  0 1 2 3 4 5	Strength (grams) < 200 ≥ 200 ≥ 500 ≥ 1000 ≥ 1500 ≥ 3500	> 500 grams	Level-2
Puncture Resistance (Newton)  Tested – All Layers Together	Clause 2	Level of Performance  0 1 2 3 4 5	Strength (Newton)  < 10  ≥ 10  ≥ 20  ≥ 60  ≥ 100  ≥ 150	69.72 Newton	Level-3
Abrasion Resistance (Cycles)  Tested – Material of Palm  Used Abrasive wheel: H-18	Clause 3	Level of Performance  With 500 grad 0  1 2 3 With 1000 grad 4 5 6	< 100 ≥ 100 ≥ 500 ≥ 1000	4682 Cycles	Compiles with Level - 4

The above specified result valid for glove model.