

TEST REPORT

COMPANY NAME:
ADDRESS

EMAIL:
ATTN:
TEL:
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MECDEX
LIBERMANN International
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Report No.:
TRF No.:
Date In:
Date Out:
No. Of Working Days:
Pretest for Buyer
Temperature & Humidity:

FTL-1344/010923
FTL-1344/010923
01-09-2023
04-09-2023
04 Days
Not Listed
23°C $\pm$ 2 53 $\pm$ 5%

Sample Description:	Armor Gloves
Color(s):	Black
Lab Id Color(S):	Black
P.O. No(s):	Not Listed
Article No(s):	OD-813
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	Synthetic Leather
Test Requested:	EN 388:2016+A1:2018, EN ISO 21420:2020
Submitted Care Instruction:	Not Listed
Suggested Care Instruction:	Not Listed

PHOTO OF THE SUBMITTED SAMPLE



EN 388:2016+A1 2018



2 1 3 1 X

FIRST TESTING LAB
AUTHORIZED SIGNATORIES


Test Conducted by


Test Checked by


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-1	
TEAR RESISTANCE	EN 388:2016+A1:2018	Level-3	
PUNCTURE RESISTANCE	EN 388:2016+A1:2018	Level-1	
SIZING	EN ISO 21420:20020	Pass	
DEXTERITY	EN ISO 21420:20020	Level 2	

Test Results:

Parameter	Test Requirement EN 388:2016+A1:2018		Test Results	Remarks												
6.1 Abrasion Resistance (Cycles) Tested – Palm Portion Used abradant: Klingspor PL 31 B	<table><tr><th>Level of Performance</th><th>Number of Cycles</th></tr><tr><td>1</td><td>100</td></tr><tr><td>2</td><td>500</td></tr><tr><td>3</td><td>2000</td></tr><tr><td>4</td><td>8000</td></tr></table>		Level of Performance	Number of Cycles	1	100	2	500	3	2000	4	8000	>500 & <2000 Cycles	Complies with Level - 2		
Level of Performance	Number of Cycles															
1	100															
2	500															
3	2000															
4	8000															
6.2 Blade Cut Resistance (i) Tested – Palm <i>Blade Thickness – 0.3 mm</i> <i>Angle of Blade – 24°</i>	<table><tr><th>Level of Performance</th><th>Index (i)</th></tr><tr><td>1</td><td>> 1.2</td></tr><tr><td>2</td><td>≥ 2.5</td></tr><tr><td>3</td><td>≥ 5.0</td></tr><tr><td>4</td><td>≥ 10.0</td></tr><tr><td>5</td><td>≥ 20.0</td></tr></table>		Level of Performance	Index (i)	1	> 1.2	2	≥ 2.5	3	≥ 5.0	4	≥ 10.0	5	≥ 20.0	>1.2& <2.5	Level-1
Level of Performance	Index (i)															
1	> 1.2															
2	≥ 2.5															
3	≥ 5.0															
4	≥ 10.0															
5	≥ 20.0															
6.4 Tear Resistance (Newton) Tested – All Layers	<table><tr><th>Level of Performance</th><th>Strength (N)</th></tr><tr><td>1</td><td>10</td></tr><tr><td>2</td><td>25</td></tr><tr><td>3</td><td>50</td></tr><tr><td>4</td><td>75</td></tr></table>		Level of Performance	Strength (N)	1	10	2	25	3	50	4	75	> 50 & < 75 Newton	Level-3		
Level of Performance	Strength (N)															
1	10															
2	25															
3	50															
4	75															
6.5 Puncture Resistance (Newton) Tested – Palm All Layers Together	<table><tr><th>Level of Performance</th><th>Strength (N)</th></tr><tr><td>1</td><td>20</td></tr><tr><td>2</td><td>60</td></tr><tr><td>3</td><td>100</td></tr><tr><td>4</td><td>150</td></tr></table>		Level of Performance	Strength (N)	1	20	2	60	3	100	4	150	>20 & <60 Newton	Level-1		
Level of Performance	Strength (N)															
1	20															
2	60															
3	100															
4	150															

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)	<table><tr><th>Level of Performance</th><th>Diameter of Pins (mm)</th></tr><tr><td>1</td><td>11</td></tr><tr><td>2</td><td>9.5</td></tr><tr><td>3</td><td>8</td></tr><tr><td>4</td><td>6.5</td></tr><tr><td>5</td><td>5</td></tr></table>		Level of Performance	Diameter of Pins (mm)	1	11	2	9.5	3	8	4	6.5	5	5	Level-2	Pass
Level of Performance	Diameter of Pins (mm)															
1	11															
2	9.5															
3	8															
4	6.5															
5	5															

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

“End of Report”