

TEST REPORT

COMPANY NAME:
ADDRESS

EMAIL:
ATTN:
TEL:
FAX:

MECDEX
LIBERMANN International
P.O Box-1166 Harrar, Wazirabad
Road, Sialkot-51310, Pakistan
ali.anwar@libermann.com
Ali Anwar
+92 52 3252201-up to 5
+92 52 3252208

Report No.:
TRF No.:
Date In:
Date Out:
No. Of Working Days:
Pretest for Buyer
Temperature & Humidity:

FTL-1247/190823
FTL-1247/190823
19th Aug 2023
26th Aug 2023
07 Days
Not Listed
23°C ± 2, 50 ± 5% RH

Sample Description:	Megma Armor Gloves
Color(s):	White, Black
Lab Id Color(S):	White, Black
P.O. No(s):	Not Listed
Article No(s):	WD-872
Season:	Not Listed
Quantity Submitted:	20 Pairs
Country of Origin:	Pakistan
Country of Destination:	Europe
Dept:	Not Listed
End Use:	Not Listed

Submitted Fiber Content:	Not Listed
Multi Layers	Cowhide Split leather + Wool Liner
Test Requested:	EN 388:2016+A1:2018, EN 407:2020, EN ISO 21420:2020
Submitted Care Instruction:	Not Listed
Suggested Care Instruction:	Not Listed

PHOTO OF THE SUBMITTED SAMPLE



EN 388:2016+A1:2018



4 2 4 4 X

EN 407:2020



4 1 2 1 4 X

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-4	
BLADE CUT RESISTANCE	EN 388:2016+A1:2018	Level-2	
TEAR RESISTANCE	EN 388:2016+A1:2018	Level-4	
PUNCTURE RESISTANCE	EN 388:2016+A1:2018	Level-4	
TDM Cut test	EN ISO 13997:1999	N/A	
SIZING	EN ISO 21420:2020	Pass	
DEXTERITY	EN ISO 21420:2020	Level-2	
BURNING BEHAVIOUR	EN 407:2020	4	
CONTACT HEAT	EN 407:2020	1	
CONVECTIVE HEAT	EN 407:2020	2	
RADIANT HEAT	EN 407:2020	1	
SMALL SPLASHES OF MOLTEN METAL	EN 407:2020	4	

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			>8000	Level – 4
6.2 Blade Cut Resistance (i)				
Tested – Palm <i>Blade Thickness – 0.3 mm</i> <i>Angle of Blade – 24°</i>			>2.5 & <5.0	Level-2
6.4 Tear Resistance (Newton)				
Tested – All Layers			>75 Newton	Level-4
6.5 Puncture Resistance (Newton)				
Tested – Palm All Layers Together			>150 Newton	Level-4

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

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 & 4XL		➤ 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-2	Pass												
	<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 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.

Parameter	Test Requirement of EN 407:2020			Test Results	Remarks
6.2 Limited Flame Spread EN 407:2020	Levels	After Flame Time	After Glow Time	AFT= ≤ 2 AGT= ≤ 5	Level – 4
	1	≤ 20 Seconds	No Require		
	2	≤ 10 Seconds	≤ 120		
	3	≤ 3 Seconds	≤ 25		
	4	≤ 2 Seconds	≤ 5		
6.3 Contact Heat EN 407:2020	Levels	°C Contact Temperature	Threshold Time (S)	≥ 15 Sec @ 100 °C	Level-1
	1	100	≥ 15		
	2	250	≥ 15		
	3	350	≥ 15		
	4	500	≥ 15		
6.4 Convective Heat EN 407:2020	Performance Level		Heat Transfer Index (HTI)	> 7 Seconds	Level-2
	1		≥ 4 Sec		
	2		≥ 7 Sec		
	3		≥ 10 Sec		
	4		≥ 18 Sec		
6.5 Radiant Heat EN 407:2020	Performance Level		Heat Transfer T ₂₄ (Sec)	> 7 Seconds	Level-1
	1		≥ 7 Sec		
	2		≥ 20 Sec		
	3		≥ 50 Sec		
	4		≥ 95 Sec		
6.6 Small Splashes of Molten Metal EN 407:2020	Performance Level		Numbers of Droplets	> 35 Drops	Level-4
	1		≥ 10 Drops		
	2		≥ 15 Drops		
	3		≥ 25 Drops		
	4		≥ 35 Drops		

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

“End of Report”