

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-1248/190823

FTL-1248/190823

19th Aug 2023

26th Aug 2023

07 Days

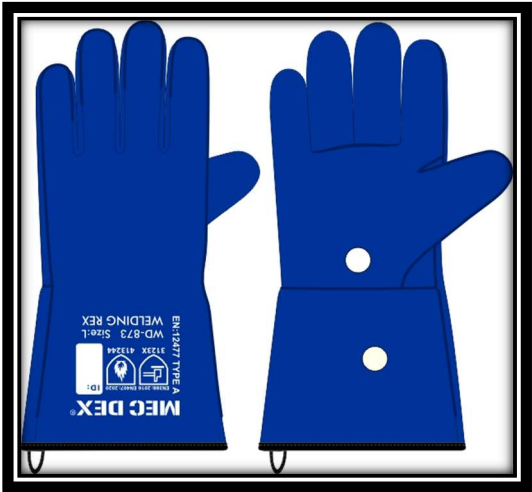
Not Listed

23°C ± 2, 50 ± 5% RH

Sample Description:	Welding Rex Gloves
Color(s):	Blue
Lab Id Color(S):	Blue
P.O. No(s):	Not Listed
Article No(s):	WD-873
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 + CVC Fleece
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



3 1 2 3 X

EN 407:2020



4 1 3 2 4 4

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-3	
BLADE CUT RESISTANCE	EN 388:2016+A1:2018	Level-1	
TEAR RESISTANCE	EN 388:2016+A1:2018	Level-2	
PUNCTURE RESISTANCE	EN 388:2016+A1:2018	Level-3	
TDM Cut test	EN ISO 13997:1999	N/A	
SIZING	EN ISO 21420:2020	Pass	
DEXTERITY	EN ISO 21420:2020	Level-3	
BURNING BEHAVIOUR	EN 407:2020	4	
CONTACT HEAT	EN 407:2020	1	
CONVECTIVE HEAT	EN 407:2020	3	
RADIANT HEAT	EN 407:2020	2	
SMALL SPLASHES OF MOLTEN METAL	EN 407:2020	4	
LARGE QUANTITY of MOLTEN MEATAL	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 abrasant: 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	>2000 & <8000 Rubs	Level – 3		
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	>25 & <50 Newton	Level-2		
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	>100 & <150 Newton	Level-3		
Level of Performance	Strength (N)															
1	20															
2	60															
3	100															
4	150															

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)	<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-3	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.

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)	> 10 Seconds	Level-3
	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)	> 20 Seconds	Level-2
	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		
6.7 Large Splashes of Molten Metal EN 407:2020	Performance Level		Mass of Iron	> 200 Grams	Level-4
	1		≥ 30 Grams		
	2		≥ 60 Grams		
	3		≥ 120 Grams		
	4		≥ 200 Grams		

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

“End of Report”