

TEST REPORT

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Report No.: FTL-218/081017
TRF No.: FTL-218/081017
Date In: 8th Oct 2017
Date Out: 12th Oct 2017
No. Of Working Days: 04 Days
Page: 1 of 3
Pretest for Buyer Not Listed

Sample Description:	Garden Gloves
Color(s):	Green/Blue
GSM / Thickness:	0.8 mm
Production Gate Pass (PGP):	Not Listed
Article No(s):	GD-811 (Garden Rose)
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: lab@nizamsons.com , lab@libermann.com

SUMMARY OF TEST RESULTS

TEST PROPERTY	Standard Method	Results	Comments
ABRASION RESISTANCE	BS: EN: 388	Level-4	
BLADE CUT RESISTANCE	BS: EN: 388	Level-2	
TEAR RESISTANCE	BS: EN: 388	Level-4	
PUNCTURE RESISTANCE	BS: EN: 388	Level-1	
DEXTERITY	BS: EN: 420	Level-5	
BLADE CUT RESISTANCE	ANSI/ISEA 105-11	Level-2	
PUNCTURE RESISTANCE	ANSI/ISEA 105-11	Level-2	
ABRASION RESISTANCE	ANSI/ISEA 105-11	Level-4	

Parameter	According to EN:388:2016	Test Requirement		Test Results	Remarks
Abrasion Resistance (Cycles) Tested – Palm Portion Used abradant: Klingspor PL 31 B	Clause 6.1	Level of Performance	Number of Cycles	> 8000 Cycles	Compiles with Level -4
		1	100		
		2	500		
		3	2000		
		4	8000		
Blade Cut Resistance (<i>i</i>) <i>Tested</i> – All Layers Together. <i>Blade Thickness</i> – 0.3 mm <i>Angle of Blade</i> – 24°	Clause 6.2	Level of Performance	Index (<i>i</i>)	Average 1 – 2.6 Average 2 – 2.8	Level-2
		1	1.2		
		2	2.5		
		3	5.0		
		4	10.0		
		5	20.0		
Tear Resistance (Newton) Tested – All Layers Together.	Clause 6.4	Level of Performance	Strength (N)	> 75 Newton	Level-4
		1	10		
		2	25		
		3	50		
		4	75		
Puncture Resistance (Newton) Tested – All Layers Together	Clause 6.5	Level of Performance	Strength (N)	34.65 Newton	Level-1
		1	20		
		2	60		
		3	100		
		4	150		

The specified performance levels only valid for the palm area.

Parameter	According to EN:420:2003	Test Requirement	Test Results	Remarks												
		Size	Lab Analysis													
Dexterity in millimeters (mm)	Clause 5.2	<table border="1"> <thead> <tr> <th>Level of Performance</th> <th>Diameter of Pins (mm)</th> </tr> </thead> <tbody> <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> </tbody> </table>	Level of Performance	Diameter of Pins (mm)	1	11	2	9.5	3	8	4	6.5	5	5	Pin – 5 mm	Level-5
Level of Performance	Diameter of Pins (mm)															
1	11															
2	9.5															
3	8															
4	6.5															
5	5															

Parameter	According to ANSI/ISEA 105-11	Test Requirement	Test Results	Remarks																				
Blade Cut Resistance	Clause 1	<table border="1"> <thead> <tr> <th>Level of Performance</th> <th>Strength (grams)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>< 200</td> </tr> <tr> <td>1</td> <td>≥ 200</td> </tr> <tr> <td>2</td> <td>≥ 500</td> </tr> <tr> <td>3</td> <td>≥ 1000</td> </tr> <tr> <td>4</td> <td>≥ 1500</td> </tr> <tr> <td>5</td> <td>≥ 3500</td> </tr> </tbody> </table>	Level of Performance	Strength (grams)	0	< 200	1	≥ 200	2	≥ 500	3	≥ 1000	4	≥ 1500	5	≥ 3500	> 500 grams	Level-2						
Level of Performance	Strength (grams)																							
0	< 200																							
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2	≥ 500																							
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5	≥ 3500																							
Puncture Resistance (Newton) Tested – All Layers Together	Clause 2	<table border="1"> <thead> <tr> <th>Level of Performance</th> <th>Strength (Newton)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>< 10</td> </tr> <tr> <td>1</td> <td>≥ 10</td> </tr> <tr> <td>2</td> <td>≥ 20</td> </tr> <tr> <td>3</td> <td>≥ 60</td> </tr> <tr> <td>4</td> <td>≥ 100</td> </tr> <tr> <td>5</td> <td>≥ 150</td> </tr> </tbody> </table>	Level of Performance	Strength (Newton)	0	< 10	1	≥ 10	2	≥ 20	3	≥ 60	4	≥ 100	5	≥ 150	34.65 Newton	Level-2						
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0	< 10																							
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5	≥ 150																							
Abrasion Resistance (Cycles) Tested – Material of Palm Used Abrasive wheel: H-18	Clause 3	<table border="1"> <thead> <tr> <th>Level of Performance</th> <th>Number of Cycles</th> </tr> </thead> <tbody> <tr> <td colspan="2">With 500 grams Weight</td> </tr> <tr> <td>0</td> <td>< 100</td> </tr> <tr> <td>1</td> <td>≥ 100</td> </tr> <tr> <td>2</td> <td>≥ 500</td> </tr> <tr> <td>3</td> <td>≥ 1000</td> </tr> <tr> <td colspan="2">With 1000 grams Weight</td> </tr> <tr> <td>4</td> <td>≥ 3000</td> </tr> <tr> <td>5</td> <td>≥ 10000</td> </tr> <tr> <td>6</td> <td>≥ 20000</td> </tr> </tbody> </table>	Level of Performance	Number of Cycles	With 500 grams Weight		0	< 100	1	≥ 100	2	≥ 500	3	≥ 1000	With 1000 grams Weight		4	≥ 3000	5	≥ 10000	6	≥ 20000	6645 Cycles	Compiles with Level - 4
Level of Performance	Number of Cycles																							
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“End of Report”