

TEST REPORT

COMPANY NAME: TrangoTek™
ADDRESS: Trango Tek (PVT) Ltd
 458-A, PSIC-III, EPZ Sambrial
 Sialkot- 51310, Pakistan
EMAIL: mian.omer@nizamsons.com
ATTN: Mian Omer
TEL: +92 52 3252201-319
FAX: +923152307159

Report No.: FTL-1407/080923
TRF No.: FTL-1407/080923
Date In: 08th Sep 2023
Date Out: 15th Sep 2023
No. Of Working Days: 07 Days
Pretest for Buyer: Not Listed
Temperature & Humidity: 23°C ± 2 53 ± 5%

Sample Description:	Thin Guard NF 18A5
Color(s):	Black/White
Lab Id Color(S):	Black/White
P.O. No(s):	Not Listed
Article No(s):	NF 18A4
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	Nitrile Foam Coating on Palm
Test Requested:	EN 388:2016+A1:2018, EN ISO 21420:2020, ANSI CUT
Submitted Care Instruction:	Not Listed
Suggested Care Instruction:	Not Listed

PHOTO OF THE SUBMITTED SAMPLE



EN388: 2016 +A1:2018



4 X 4 3 E

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-X	
TDM CUT RESISTANCE	EN 388:2016+A1:2018	Level-E	
TEAR RESISTANCE	EN 388:2016+A1:2018	Level-4	
PUNCTURE RESISTANCE	EN 388:2016+A1:2018	Level-3	
ANSI Cut Resistance	ANSI/ISEA105-2016 (ASTM F2992)	Level-A5	
SIZING	EN ISO 21420:20020	Pass	
DEXTERITY	EN ISO 21420:20020	N/A	

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 border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #800000; color: white;"> <th>Level of Performance</th> <th>Number of Cycles</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">100</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">500</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">2000</td> </tr> <tr style="background-color: #cccccc;"> <td style="text-align: center;">4</td> <td style="text-align: center;">8000</td> </tr> </tbody> </table>	Level of Performance	Number of Cycles	1	100	2	500	3	2000	4	8000	>8000 Cycles	Compiles with Level - 4			
	Level of Performance	Number of Cycles														
	1	100														
	2	500														
	3	2000														
4	8000															
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Level of Performance	Index (i)															
1	> 1.2															
2	≥ 2.5															
3	≥ 5.0															
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5	≥ 20.0															
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Level of Performance	Cut Load N															
A	> 2 Newtons															
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Level of Performance	Strength (N)															
1	10															
2	25															
3	50															
4	75															
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Level of Performance	Strength (N)															
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2	60															
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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 ANSI/ISEA 105-2016		Test Results	Remarks
6.3 TDM Cut Resistance <i>EN ISO 13997: 2016</i> Tested – Palm <i>Type of Blade (Straight)</i>			> 2200 & < 3000 Grams	Level-A5
	Level of Performance	Cut Load N		
	A1	> 200 Grams		
	A2	≥ 500 Grams		
	A3	≥ 1000Grams		
	A4	≥ 1500 Grams		
	A5	≥ 2200 Grams		
	A6	≥ 3000 Grams		
	A7	≥ 4000 Grams		
A8	≥ 5000 Grams			
A9	≥ 6000 Grams			

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		
5.2 Dexterity Pin sizes in millimeters (mm)			Pass
	Level of Performance	Diameter of Pins (mm)	
	1	11	
	2	9.5	
	3	8	
4	6.5		
5	5		
		Level-5	

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

“End of Report”