



REPORT NUMBER: 20455-20
RECEIVING DATE: Nov 28, 2020
ISSUE DATE: Dec 01, 2020
PAGE: 1 of 4

Customer : **Al-Kous International**
Address : Kashmir Road, Bounkan, Sialkot-Pakistan

Contact person : Mr. Abdul Waheed

Contact details : Tel: 052-4297288
Fax: /
Cell: 0322-7401990
Email: hajazi@al-kous.com

Manufacturer : Al-Kous International
Buyer : /
Label : /
Design : /
Article No : ALK-7105
Color : Natural, Yellow
Style No : /
P.O No : /
Model No : /
Size : /
Country of Origin : /
Country of Destination : Pakistan
Sample description : Working Gloves
End use : /

Signed on the behalf of:
Tti Testing Laboratories

Ali Ashraf
General Manager Operations

This test report is governed by the terms and conditions available overleaf or accessible at <http://ttilabs.net/terms&conditions.html>. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The report is issued strictly based on the testing of the samples submitted by the customer. This test report may not be reproduced, except in full, without written approval of Tti Testing Laboratories.



REPORT NUMBER: 20455-20
PAGE: 2 of 4

Test Conducted:

Sr. No	Test properties	Test Method	Performance Level
01	Abrasion Resistance	BS EN 388:2016+A1:2018 § 6.1	Level 4
02	Blade Cut Resistance	BS EN 388:2016+A1:2018 § 6.2	Level 2
03	Tear resistance	BS EN 388:2016+A1:2018 § 6.4	Level 3
04	Puncture Resistance	BS EN 388:2016+A1:2018 § 6.5	Level 3

Digital image of submitted sample



This test report is governed by the terms and conditions available overleaf or accessible at <http://ttilabs.net/terms&conditions.html>. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The report is issued strictly based on the testing of the samples submitted by the customer. This test report may not be reproduced, except in full, without written approval of Tti Testing Laboratories.



REPORT NUMBER: 20455-20
PAGE: 3 of 4

Test Results:

1. Abrasion Resistance:

(BS EN 388:2016+A1:2018 § 6.1)

<u>Composite:</u>	<u>Unit</u>	
Specimen 1:	Rubs	>8000
Specimen 2:	Rubs	>8000
Specimen 3:	Rubs	>8000
Specimen 4:	Rubs	>8000
Minimum value: >8000 Rubs		
Performance Level: 4		

2. Blade Cut Resistance:

(BS EN 388:2016+A1:2018 § 6.2)

<u>Composite:</u>	<u>Unit</u>	<u>Indexes 1</u>	<u>Indexes 2</u>
Specimen 1:	Index	2.85	2.84
Specimen 2:	Index	2.93	2.77
Specimen 3:	Index	3.06	3.07
Specimen 4:	Index	3.12	3.06
Specimen 5:	Index	3.18	3.00
Mean:		3.02	2.94
Minimum value: 2.94 Index			
Performance Level: 2			

3. Tear resistance:

(BS EN 388:2016+A1:2018 § 6.4)

<u>Outer Material:</u>	<u>Unit</u>	<u>Direction 1</u>	<u>Direction 2</u>
Specimen 1:	N	>80	80
Specimen 2:	N	58	68
<u>Lining:</u>			
	<u>Unit</u>	<u>Direction 1</u>	<u>Direction 2</u>
Specimen 1:	N	34	27
Specimen 2:	N	30	29

Minimum value: 58 N
Performance Level: 3

This test report is governed by the terms and conditions available overleaf or accessible at <http://ttilabs.net/terms&conditions.html>. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The report is issued strictly based on the testing of the samples submitted by the customer. This test report may not be reproduced, except in full, without written approval of Tti Testing Laboratories.



4. Puncture Resistance:

(BS EN 388:2016+A1:2018 § 6.5)

<u>Composite:</u>	<u>Unit</u>	
Specimen 1:	N	108
Specimen 2:	N	103
Specimen 3:	N	116
Specimen 4:	N	106
Minimum value: 103 N		
Performance Level: 3		

Tests	Table of performance level				
	1	2	3	4	5
Abrasion resistance (BS EN 388:2016+A1:2018 § 6.1) (minimum number of rubs)	100	500	2000	8000	-
Blade cut resistance (BS EN 388:2016+A1:2018 § 6.2) (minimum index)	1.2	2.5	5.0	10	20
Tear resistance (BS EN 388:2016+A1:2018 § 6.4) (minimum force-N)	10	25	50	75	N/A
Puncture resistance (BS EN 388:2016+A1:2018 § 6.5) (minimum force-N)	20	60	100	150	N/A

----- END OF REPORT -----

This test report is governed by the terms and conditions available overleaf or accessible at <http://ttilabs.net/terms&conditions.html>. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The report is issued strictly based on the testing of the samples submitted by the customer. This test report may not be reproduced, except in full, without written approval of Tti Testing Laboratories.