

Muhammad Imtiaz

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Project Manager, A.S. Enterprises, Consultant: AA Associates(Project: US Apparel & Textile Pvt. Ltd.)

Client Reference: USD/ASE/20

Dated: 03-12-2020

SOM Lab Ref: CED/SOM/3363(Page-1/1)

Dated: 03-12-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

Gauge Length: 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.565	16	15.92	201	199	72.30	103.20	360	364	513	519	35.0	200	17.5	
2	1.572	16	15.97	201	200	71.20	104.20	354	356	518	521	37.5	200	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Major Muhammad Aslam, (Retd)

Test Performed By:

Dr./Engr.

S. Asad Ali Gillani

Resident Engineer, Penta Square Project, Al-Imam Enterprises (Pvt) Ltd Lahore

Client Reference: Al-Imam/746/PS-1/DHA/LHE/1203

Dated: 25-11-2020

SOM Lab Ref: CED/SOM/3367(Page-1/1)

Dated: 03-12-2020

Test: Tension and Bend Test

Test Specification:

ASTM-A 615

Sample Type: Deformed Bar(Kamran Steel)

Gauge Length:

200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.820	25	24.90	491	487	236.70	318.50	482	487	649	655	37.5	200	18.8	
2	3.819	25	24.89	491	486	239.00	326.70	487	492	666	672	35.0	200	17.5	
3	0.987	12	12.65	113	126	61.50	82.00	544	490	725	653	32.5	200	16.3	
4	0.995	12	12.70	113	127	60.50	81.20	535	478	718	641	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Arfan Nazir
 Manager Civil Works, Nishat Mill Ltd, Lahore

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: NA/GU/ST/001
 SOM Lab Ref: CED/SOM/3368(Page-1/1)
 Test: Tension and Bend Test
 Sample Type: Deformed Bar(AFCCO Steel)

Dated: 03-11-2020
 Dated: 03-12-2020
 Test Specification: ASTM-A 615
 Gauge Length: 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.440	20	19.90	314	311	149.00	210.20	474	480	669	676	35.0	200	17.5	
2	2.460	20	19.97	314	313	176.70	227.70	562	564	725	727	30.0	200	15.0	
3	1.586	16	16.04	201	202	79.00	111.50	393	391	555	552	37.5	200	18.8	
4	1.584	16	16.03	201	202	80.50	116.50	400	399	579	578	35.0	200	17.5	
5	0.985	12	12.64	113	125	67.20	88.00	594	536	778	702	25.0	200	12.5	
6	0.997	12	12.71	113	127	71.70	89.20	634	565	789	703	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Construction Manager
Guarantee Engineers (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil
Dated: 18-11-2020

SOM Lab
Ref: 3366(Page-1/1)
Dated: 03-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch

Sample Type:

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.619	8	0.990	0.79	0.770	25.45	35.29	71060	72910	98520	101080	1.00	8.0	12.5	
2	2.620	8	0.990	0.79	0.770	25.96	35.58	72480	74370	99320	101900	1.20	8.0	15.0	
3	1.682	6	0.793	0.44	0.494	17.40	22.96	87220	77690	115070	102490	1.20	8.0	15.0	
4	1.688	6	0.795	0.44	0.496	17.53	22.85	87880	77960	114560	101620	1.10	8.0	13.8	
5	1.072	5	0.633	0.31	0.315	8.41	12.51	59830	58880	88990	87570	1.50	8.0	18.8	
6	1.069	5	0.632	0.31	0.314	8.41	12.61	59830	59070	89710	88570	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Moutism
Project Manager, Banu Mukhtar Contracting (Pvt) Ltd., Lahore

Test Performed By: Dr. /Engr.

S Asad Ali
Gillani

Client Reference: BML-300841/001

SOM Lab

Ref: 3369(Page-2/2)

Dated: 03-12-2020

Dated: 03-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed

Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.535	6	0.758	0.44	0.451	13.88	20.74	69590	67900	103980	101440	1.30	8.0	16.3	
2	1.537	6	0.759	0.44	0.452	13.86	20.71	69490	67650	103830	101070	1.50	8.0	18.8	
3	0.719	4	0.518	0.20	0.211	6.83	9.50	75320	71390	104770	99300	1.50	8.0	18.8	
4	0.719	4	0.518	0.20	0.211	6.93	9.50	76440	72460	104770	99300	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk	

Test Performed by: Dr.S. Asad ali Gillani

Manager Engineering

M/S Ali Zaman (Pvt) Ltd.

31-B, Zafar Ali Road, Gulberg 5, Lahore

Client Reference No.: azl/460-2020

Dated: 03-12-2020

SOM Lab Ref: CED/SOM/3371(Page 1/1)

Dated: 04-12-2020

Test Type: Hardness Test

Sample Type: Mild Steel(MS) Sheet

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness
1	MS Sheet (3.25mm)	HR – 34.33– B
2	MS Sheet (3mm)	HR – 68.33 – B
3	MS Sheet (2mm)	HR – 47.33 – B

Note: Please always confirm the results on web www.uet-civil.edu.pk