

Allied Bank

Test Performed
By:

Dr. /Engr. Asad Ali Gillani

Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

Client Reference: ABL-UML-AMC-QAQC-30

Dated : 20-09-2023

SOM Lab Ref: CED/SOM/2910(Page-1/1)

Dated : 21-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Naveena Steel)

Gauge Length: 200 m

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	3.904	25	25.16	491	497	274.50	340.50	559	553	694	686	32.5	200	16.3	
2	3.874	25	25.07	491	493	263.50	330.70	537	534	674	671	30.0	200	15.0	
3	3.877	25	25.08	491	494	253.50	321.70	516	514	655	652	32.5	200	16.3	
4	2.470	20	20.02	314	315	178.70	245.70	569	568	782	781	27.5	200	13.8	
5	2.468	20	20.01	314	314	178.70	243.20	569	569	774	774	27.5	200	13.8	
6	2.457	20	19.96	314	313	179.20	243.50	570	573	775	779	25.0	200	12.5	
7	0.875	12	11.92	113	112	67.20	80.20	594	603	709	720	25.0	200	12.5	
8	0.882	12	11.96	113	112	67.20	79.50	594	599	703	708	25.0	200	12.5	
9	0.870	12	11.88	113	111	63.20	77.00	559	570	681	695	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
20mm	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

ARE MMP/PCP

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

Sub Office Okara.(Impv Of Road From Tank To Harina Wala Chowk Okara M.A Jinnah)

Client Reference: MMP/PCP/MCO/72/2023

SOM Lab

Ref: 2907 (Page-1/1)

Dated: 07-09-2023

Dated: 21-09-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615
Deformed

Gauge Length: 8 h

Sample Type: 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	1.036	5	0.622	0.31	0.304	10.77	13.30	76660	78170	94640	96510	1.10	8.0	13.8	
2	1.037	5	0.623	0.31	0.305	10.77	13.35	76660	77910	95000	96560	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	7.00	8.87	77230	78800	97800	99790	1.10	8.0	13.8	
4	0.664	4	0.498	0.20	0.195	6.37	8.79	70260	72060	96900	99380	1.20	8.0	15.0	
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BEND TEST:

# 5	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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sec C)

Test Performed By: Dr. /Engr. Waseem Abbass

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1671
Dated: 20-09-2023

SOM Lab
Ref: 2908 (Page-1/1)
Dated: 21-09-2023

Test: Tension Test & Bend Test
inc
Gauge Length: 8 h

Test Specification: ASTM-A-615
Deformed Bar (Nomee Steel)
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	1.491	6	0.747	0.44	0.438	14.78	19.98	74090	74430	100150	100600	1.30	8.0	16.3	
2	1.465	6	0.741	0.44	0.431	14.63	18.65	73320	74850	93510	95460	1.40	8.0	17.5	
3	0.660	4	0.497	0.20	0.194	5.66	8.53	62390	64320	94090	97000	1.10	8.0	13.8	
4	0.661	4	0.497	0.20	0.194	5.63	8.48	62050	63970	93530	96420	1.20	8.0	15.0	
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Witnessed By: Hafiz Danish LT,DHAG

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

Ali Raza (Site Engineer)
Expo Gold Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2909 (Page-1/1)

Dated: 21-09-2023

Dated: 21-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.656	8	0.997	0.79	0.781	22.28	37.23	62210	62930	103930	105130	1.10	8.0	13.8	
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BEND TEST:

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

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

Muhammad Asif

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

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

Client Reference: IMP/PM/66/04/90

SOM Lab

Ref: 2911 (Page-1/1)

Dated: 21-09-2023

Dated: 21-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.728	8	1.011	0.79	0.802	25.33	37.10	70720	69660	103590	102040	1.40	8.0	17.5	
2	2.682	8	1.002	0.79	0.788	24.52	35.90	68440	68620	100230	100480	1.50	8.0	18.8	
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Witnessed By: M. Husnain (Imperium Developers)

BEND TEST:

# 8	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