

Syed Samiuddin Ahmed

Test Performed By:

Dr. /Engr.

Nauman Khurram

Senior Resident Engineer, ProMag (Pvt) Ltd Site Office - DHA, Mattital Road, Multan

Client Reference: CRE/Sec-C/426

Dated: 10-02-202019

SOM Lab Ref: CED/SOM/2212(Page-1/1)

Dated: 10-02-2020

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Amreli 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	0.888	12	12.00	113	113	64.50	78.20	570	571	691	693	25.0	200	12.5	
2	0.886	12	11.99	113	113	64.20	77.70	568	569	687	689	27.5	200	13.8	
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BEND TEST:

12mm	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

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Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Infra Dev Works IVY Green, Sector-Z, DHA Ph-VIII - (M/S MCC Ruba)

Client Reference: 408/241/E/Lab/839/2283

SOM Lab

Ref: 2200(Page-1/1)

Dated: 10-02-2020

Dated: 10-02-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (City Steel)

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	2.675	8	1.000	0.79	0.786	24.94	37.33	69640	69990	104210	104740	1.10	8.0	13.8	
2	2.664	8	0.998	0.79	0.783	24.67	36.92	68870	69490	103080	104000	1.20	8.0	15.0	
3	1.453	6	0.737	0.44	0.427	15.29	20.41	76640	78980	102290	105410	1.20	8.0	15.0	
4	1.462	6	0.740	0.44	0.430	16.82	21.41	84310	86270	107300	109800	1.10	8.0	13.8	
5	0.657	4	0.496	0.20	0.193	6.37	9.38	70260	72810	103420	107170	1.10	8.0	13.8	
6	0.658	4	0.496	0.20	0.193	6.22	8.99	68570	71060	99150	102740	1.10	8.0	13.8	
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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	
# 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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20200210-A

SOM Lab Ref: 2201,2202(Page-1/1)

Dated: 10-02-2020

Dated: 10-02-2020

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(Bataala Premium -G-60

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	0.650	4	0.493	0.20	0.191	6.19	8.63	68230	71450	95210	99700	1.30	8.0	16.3	
2	0.659	4	0.497	0.20	0.194	6.65	8.84	73290	75560	97460	100470	1.00	8.0	12.5	
3	0.659	4	0.497	0.20	0.194	5.93	8.31	65420	67450	91610	94450	1.30	8.0	16.3	
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Witnessed By: Muhammad Usman, & Nadeem Sohaib

BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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

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Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

SOM Lab

Client Reference: 408/241/E/Lab/840/4651

Ref: 2204(Page-1/1)

Dated: 10-02-2020

Dated: 10-02-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kamran Steel)

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	0.659	4	0.497	0.20	0.194	5.99	8.72	66100	68140	96110	99080	1.50	8.0	18.8	
2	0.659	4	0.497	0.20	0.194	5.91	8.58	65200	67220	94650	97580	1.40	8.0	17.5	
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BEND TEST:

# 4	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